



CITY OF GARDEN GROVE
FIRE DEPARTMENT

Tel: (714) 741-5600
Fax: (714) 741-5640

5/23/2016

Burke Walker
Partner Engineering
(626) 827-0816

RE: Records Search for 8871 & 8971 Garden Grove Blvd., Garden Grove CA

Dear Burke Walker:

Enclosed are the records found concerning the history of the above-mentioned site(s), especially as it pertains to fire code violation history, permits, the use, storage, or disposal of hazardous substances, and the installation or removal of underground flammable or combustible liquid storage tanks.

The City of Garden Grove Fire Department has utilized its best efforts to locate the records requested. However, the City makes no representation as to the accuracy of the records or that all records requested were retained or located. The City does not provide records on spills, leaks or clean-up, as that information is provided through the County of Orange Health Department.

Sincerely,

Thanh Nguyen
Fire Captain/Senior Fire Protection Specialist

**Violation List for
SAMS AUTO
8971 CHAPMAN Ave**

| Date Issued | Date Cleared | Code # | Violation Description |
|--------------------|---------------------|---------------|--|
| 06/18/2014 | 08/20/2014 | CFC 105.3.5 | POST FIRE DEPARTMENT PERMIT. |
| 06/18/2014 | 08/20/2014 | CFC 901.6 | Service and tag Fire Extinguishers. |
| 06/18/2014 | 08/20/2014 | CFC 605.1 | Provide/ replace electrical |
| 06/18/2014 | 08/20/2014 | CFC 3404.3. | Provide approved safety container(s) for flammable liquids. |
| 06/18/2014 | 08/20/2014 | CFC 605.3 | Keep 30" clear in front of elec. panel |
| 06/18/2014 | 08/20/2014 | Title 19 Sec. | Hang extinguisher(s) 3.5'-5' from floor |
| 06/18/2014 | 08/20/2014 | HSC 25505(a) | Failure to submit a Business Emergency Plan. |
| 02/28/2011 | 03/15/2011 | CFC 605.3 | Keep 30" clear in front of elec. panel |
| 02/28/2011 | 03/15/2011 | CFC 901.6 | Service and tag Fire Extinguishers. |
| 03/23/2010 | 04/20/2010 | CFC 1028.3 | Remove exit obstruction |
| 03/23/2010 | 04/20/2010 | | Oily rags in approved containers. |
| 03/23/2010 | 04/20/2010 | CFC 605.3 | Keep 30" clear in front of elec. panel |
| 02/11/2009 | 02/11/2009 | Title 19 Sec. | Hang extinguisher(s) 3.5'-5' from floor |
| 03/18/2008 | 03/25/2008 | CFC 3003.5.1 | Secure compressed gas cylinders. |
| 02/05/2007 | 02/05/2007 | 1103.3.3.2 | Lower storage 2" from ceiling. |
| 02/05/2007 | 02/05/2007 | Title 19 Sec. | Hang extinguisher(s) 3.5'-5' from floor |
| 02/23/2006 | 03/14/2006 | CFC 1001.5. | Service and tag Fire Extinguishers. |
| 02/23/2006 | 03/14/2006 | 1002.1 | Provide 2 extinguishers 2A10BC |
| 03/24/2005 | 04/25/2005 | CFC 1001.5. | Service and tag Fire Extinguishers.- rear door needs tag. By service |
| 03/02/2004 | 04/13/2004 | | Repair power cord on wheel machine. |

**Violation List for
KENTUCKY FRIED CHICKEN
8971 WESTMINSTER Ave**

| Date Issued | Date Cleared | Code # | Violation Description |
|--------------------|---------------------|---------------|--|
| 11/09/2011 | 11/30/2011 | CFC 105.6 | Post City Business License. Manager states business license is bei |
| 11/09/2011 | 11/30/2011 | CFC 1004.3 | Post maximum occupancy load sign |

Date Archived 07/07/2008

District 2417

Dbas 31 BASKIN ROBBINS ICE CREAM

Complex

Address

8871

GARDEN GROVE

Blvd

92844

Business Information

Business License No. 156602

Dunn and Bradstreet -

Sic Code-

Fax

E-Mail

Business Owner Name "BHATTI, AMIR U"

Home Phone

Property Use

Construction Information

Construction type-

Occupancy group- B

Occupancy Load- 0

Building Sq.ft- 0

Contacts Information

Property Owner

JOHNNY YEUNG

7142605544

Building Owner

Contacts

Contact Type - Property Owner

JOHNNY YEUNG

Mobile 7142605544

Home 9495888390

Contact Type - Business Owner

"BHATTI, AMIR U" Position/Title -Business Owner

Home

Mobile

0 8871 GARDEN GROVE BLVD

Garden Grove CA 92844,

Inspection Information

inspection information

Archived by VThorpe
File number 5112
Inspector- E5 C

Inspection History

05/24/2006 Time 10:02

Employee No. - 6691Name - Valerie Thorpe

Action Performed - Inspection Cleared

Notes - Inspection cleared using Status field on input form- Inspector 1026 Guy Brown b

03/13/2006 Time 10:53

Employee No. - 6691Name - Valerie Thorpe

Action Performed - Life Safety Inspection

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C En

Visits

05/22/2006

Inspector Id- 1026Name - Guy Brown

Insp. Type - Annual Life Safety

Category - Life Safety

Comments - No violations.

Violations

Permits

EPS Information

Business Operator -

Phone -

Environmental Contact -

phone -

address - ,

Chemical Information

Tank Information

Tank Owner Name -

Phone -

Address-

Disclosure Local Information

Date Disclosure was verified 00/00/00
Disclosure letter verified by
Date Inquiry letter Sent 00/00/00
Date New Business Packet Sent 00/00/00
Date New Business Packet Received 00/00/00
Date Year end packet sent 00/00/00
Date Year end packet Received 00/00/00
Date Year end Packet Approved 00/00/00
Citation Date 00/00/00
City Attorney Letter sent Date 00/00/00
Date BEP sent 00/00/00
Date BEP Submitted 00/00/00
Date BEP Corrected 00/00/00
Date BEP Approved 00/00/00
Date BEP Approved 00/00/00
Business was not in the Cal Arp program
Number of Employee
Local ID Number 025016

Invoices

External Invoices

Notes

Dbas CEFIORE ITALIAN FROZEN YOGURT #30

Complex

Address

8871

GARDEN GROVE

Blvd

92844

Business Information

Business License No.
Dunn and Bradstreet -
Sic Code-
Fax
E-Mail
Business Owner Name
Home Phone
Property Use

Construction Information

Construction type-
Occupany group- B
Occupany Load- 0
Building Sq.ft- 0

Contacts Information

Property Owner
DONNA LEE

7143211805

Building Owner

Contacts
Contact Type - Property Owner
DONNA LEE
7143211805
Home

Contact Type - Emergency One
JOHN KIM
7147139547

Inspection Information

inspection information

**Archived by Smouse
File number 5112
Inspector- E5 C
6/2/15: OUT OF BUSINESS.**

Inspection History

05/24/2006 Time 10:02

**Employee No. - 6691Name - Valerie Thorpe
Action Performed - Inspection Cleared**

Notes - Inspection cleared using Status field on input form- Inspector 1026 Guy Brown by Valerie Thorpe

03/13/2006 Time 10:53

**Employee No. - 6691Name - Valerie Thorpe
Action Performed - Life Safety Inspection**

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C Engine 5

07/07/2008 Time 09:26

**Employee No. - 6691Name - Valerie Thorpe
Action Performed - Archived**

Notes - Business Information Archived

09/12/2008 Time 08:35

**Employee No. - 6691Name - Valerie Thorpe
Action Performed - Inspection Cleared**

Notes - Inspection cleared- Inspector 2867 Don Nguyen by Valerie Thorpe

03/23/2011 Time 13:00

**Employee No. - 3303Name - Sabrina M Soltis
Action Performed - Life Safety Inspection**

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C Engine 5

03/23/2011 Time 15:41

**Employee No. - 3303Name - Sabrina M Soltis
Action Performed - Life Safety Inspection**

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C Engine 5

08/03/2011 Time 09:48

**Employee No. - 3384Name - KATRENA SCHULZE
Action Performed - Inspection Cleared**

Notes - Inspection cleared- Inspector 2422 Richard Ronstadt by KATRENA SCHULZE

03/19/2013 Time 09:14

**Employee No. - 3303Name - Sabrina M Soltis
Action Performed - Life Safety Inspection**

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C Engine 5

06/03/2013 Time 14:44

**Employee No. - 0573Name - Michael B Bennett
Action Performed - Life Safety Inspection**

Notes - Inspection Cleared by quick clear

03/09/2015 Time 08:24

**Employee No. - 0167Name - Thanh Q Nguyen
Action Performed - Life Safety Inspection**

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C Engine 5

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C Engine 5

03/09/2015 Time 08:42

Employee No. - 3303 Name - Sabrina M Soltis

Action Performed - Life Safety Inspection

Notes - System generated Life Safety inspection printed for - Inspector E5 shift C Engine 5

Visits

06/02/2015

Inspector Id- 4158 Name - KICKER VENCILL

Insp. Type - Annual Life Safety

Category - Life Safety

Comments - OUT OF BUSINESS.

09/11/2008

Inspector Id- 2867 Name - Don Nguyen

Insp. Type - Annual Life Safety

Category - Life Safety

Comments - Cleared. No permit needed. Provide address visible from the street.

07/08/2011

Inspector Id- 2422 Name - Richard Ronstadt

Insp. Type - Annual Life Safety

Category - Life Safety

Comments - No Violations

05/28/2013

Inspector Id- 2867 Name -

Insp. Type - Annual Life Safety

Category - Life Safety

Comments -

09/24/2014

Inspector Id- 2867 Name - Don Nguyen

Insp. Type - Final

Category - Life Safety

Comments - BUSINESS OPEN WITHOUT FINALLY PERMIT AND BUILDING. OCCUPANCY IS OVER FLOOR PLAN - 36 OCCUPANCY SHOULD BE AT 24 OCCUPANCY.

Violations

Permits

EPS Information

Business Operator -

Phone -

Environmental Contact -

phone -

address - ,

Chemical Information

Tank Information

Tank Owner Name -

Phone -

Address-

Disclosure Local Information

Date Disclosure was verified 00/00/00

Disclosure letter verified by

Date Inquiry letter Sent 00/00/00

Date New Business Packet Sent 00/00/00

Date New Business Packet Received 00/00/00

Date Year end packet sent 00/00/00

Date Year end packet Received 00/00/00

Date Year end Packet Approved 00/00/00

Citation Date 00/00/00

City Attorney Letter sent Date 00/00/00

Date BEP sent 00/00/00

Date BEP Submitted 00/00/00

Date BEP Corrected 00/00/00

Date BEP Approved 00/00/00

Date BEP Approved 00/00/00

Business was not in the Cal Arp program

Number of Employee

Local ID Number

Invoices

External Invoices

Notes

GARDEN GROVE




FIRE DEPARTMENT

HAZARDOUS MATERIALS DISCLOSURE PROGRAM

REPORTING FORMS PACKET

SHORT VERSION

| | |
|-----------------------|---|
| FOR OFFICIAL USE ONLY | |
| FACILITY ID NO. | <u>98</u> |
| BUSINESS NAME | <u>Kims Auto Service</u> |
| BUSINESS ADDRESS | <u>8971 Chapman Ave</u> |
| APPROVED BY | <u></u> DATE <u>5/9/11</u> |
| NEW BUSINESS | <input type="checkbox"/> YES <input type="checkbox"/> NO UPDATE _____ |
| PICK | <u> </u> 4D <u> </u> BUSLIST <u> </u> CALARP: <u> </u> CUPA: <u> </u> GIS <u> </u> |
| FEE | _____ |



CITY OF GARDEN GROVE FIRE DEPARTMENT

11301 Acacia Parkway, Garden Grove, CA 92842 (714) 741-5600 (714) 741-5636

FORM 1

Hazardous Materials Business Information Form

Page ___ of ___ 3

BUSINESS INFORMATION

| | | | | | |
|----------------------------------|--------------------|----------------------|-------|------------------|-------|
| FACILITY # (Supplied by GGFD) | 3 0 0 3 5 | BEGINNING DATE | 1 | ENDING DATE | 2 |
| BUSINESS NAME | Kim's Auto Service | | | BUSINESS PHONE | 5 |
| BUSINESS SITE ADDRESS | 8971 Chapman Ave | | | | 6 |
| CITY | GARDEN GROVE | STATE | CA | ZIP | 92841 |
| DUN & BRADSTREET | 10 | SIC CODE (4 DIGIT #) | 11 | FIRE DISTRICT | 12 |
| COUNTY | ORANGE | | 17538 | Kwang K-Kim | 13 |
| BUSINESS OPERATOR NAME | Kwang K-Kim | | | OPERATOR'S PHONE | 15 |
| | | | | 714) 578-6773 | |

BUSINESS OWNER

| | | | | | |
|-----------------------|-------------|-------|----|-------------|-------|
| OWNER NAME | Kwang K-Kim | | | OWNER PHONE | 17 |
| OWNER MAILING ADDRESS | [REDACTED] | | | | 18 |
| CITY | [REDACTED] | STATE | CA | ZIP | 92833 |

ENVIRONMENTAL CONTACT

| | | | | | |
|-------------------------|----|---------------|----|-----|----|
| CONTACT NAME | 22 | CONTACT PHONE | 23 | | |
| CONTACT MAILING ADDRESS | 24 | | | | |
| CITY | 25 | STATE | 26 | ZIP | 27 |

PRIMARY EMERGENCY CONTACTS SECONDARY

| PRIMARY | EMERGENCY CONTACTS | SECONDARY |
|----------------|--------------------|-----------------------|
| NAME | 28 Kwang K-Kim | 33 NAME Yeum Hee-Kim |
| TITLE | 29 owner | 34 TITLE wife |
| BUSINESS PHONE | 30 714) 530-6712 | 35 BUSINESS PHONE |
| 24-HR. PHONE | 31 [REDACTED] | 36 24-HR. PHONE |
| PAGER # | 32 [REDACTED] | 37 PAGER # [REDACTED] |

ADDITIONAL LOCALLY COLLECTED INFORMATION

| | | | |
|---|-----------------|-----------------------------------|----------------|
| DESCRIBE THE TYPE OF BUSINESS OPERATION: | 38 AUTO Repairs | TOTAL # OF EMPLOYEES | 39 4 |
| BILLING ADDRESS (IF DIFFERENT FROM ABOVE) | 40 | ATTENTION | 41 |
| PROPERTY OWNER NAME | 42 charlie -Kim | ADDRESS | 44 [REDACTED] |
| Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete. | | | |
| SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE | 45 Kwang | DATE | 46 7/18-05 |
| NAME OF SIGNER (print) | 47 Kwang K-Kim | NAME OF DOCUMENT PREPARER (print) | 49 Kwang K-Kim |
| TITLE OF SIGNER | 48 Kwang | TITLE OF DOCUMENT PREPARER | 50 Kwang |

UNIFIED PROGRAM CONSOLIDATED FORM

FACILITY INFORMATION

BUSINESS ACTIVITIES

Page 1 of _____

I. FACILITY IDENTIFICATION

| | | | | |
|--|--|------------------------------------|---------------|----|
| FACILITY ID# | | 1. EPA ID # (Hazardous Waste Only) | CAL 912884120 | 2. |
| BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) | | 3. | | |

KIM'S AUTO SERVICE

II. ACTIVITIES DECLARATION

**NOTE: If you check YES to any part of this list,
please submit the Business Owner/Operator Identification page (OES Form 2730)**

Does your facility...

If Yes, please complete these pages of the UPCF...

A. HAZARDOUS MATERIALS

Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?

YES NO

4. HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (OES 2731)

B. UNDERGROUND STORAGE TANKS (USTs)

1. Own or operate underground storage tanks?
2. Intent to upgrade existing or install new USTs?
3. Need to report closing a UST?

YES NO

5. UST FACILITY (Formerly SWRCB Form A)
 UST TANK (one page per tank) (Formerly Form B)

YES NO

6. UST FACILITY
 UST TANK (one per tank)
 UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)

YES NO

7. UST TANK (closure portion-one page per tank)

C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)

Own or operate ASTs above these thresholds:
- any tank capacity is greater than 660 gallons, or
- the total aggregate capacity for the entire facility (ASTs, drums and portable containers) greater than 1,320 gallons?

YES NO

8. NO FORM REQUIRED TO CUPAS

D. HAZARDOUS WASTE

1. Generate hazardous waste?
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?
3. Treat hazardous waste on site?
4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?
5. Consolidate hazardous waste generated at a remove site?
6. Need to report the closure/removal of a tank that was classified waste and cleaned onsite?

YES NO

9. EPA ID NUMBER - provide at the top of this page

YES NO

10. RECYCLABLE MATERIALS REPORT (one per recycler)

YES NO

11. ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Forms 1772)
 ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A,B,C,D and L)

YES NO

12. CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)

YES NO

13. REMOTE WASTE/CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)

YES NO

14. HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS

15.

(You may also be required to provide additional information by your CUPA or local agency.)



CITY OF GARDEN GROVE, FIRE DEPARTMENT

11301 ACACIA PARKWAY, GARDEN GROVE, CALIFORNIA 92842

(714) 741-5600

(714) 741-5636

HAZARDOUS MATERIALS BUSINESS INFORMATION FORM

FORM 1

BUSINESS INFORMATION

| | | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------|-----------------------|--------------|
| CALENDAR YEAR BEGINNING (1) | <u>11/22-99</u> | ENDING (2) | <u>12/31-99</u> | (3) PAGE 1 OF | |
| BUSINESS NAME (4) | <u>Kim's Auto Service</u> | | BUSINESS PHONE: (5) | <u>(714) 530-6712</u> | |
| SITE ADDRESS (6) | <u>8971 chapman Ave</u> | | | | |
| CITY (7) | <u>GARDEN GROVE</u> | STATE (8) | <u>CA</u> | ZIP (9) | <u>92841</u> |
| DUN & BRADSTREET (OPTIONAL) (10) | | SIC CODE (4 DIGIT #) (11) | <u>7530</u> | | |
| OPERATOR NAME (12) | <u>KWANG K - KIM</u> | | OPERATOR PHONE (13) | [REDACTED] | |

OWNER INFORMATION

| | | | |
|----------------------------|----------------------|------------------|--------------|
| OWNER NAME (14) | <u>Charlie - Kim</u> | OWNER PHONE (15) | [REDACTED] |
| OWNER MAILING ADDRESS (16) | [REDACTED] | | |
| CITY (17) | [REDACTED] | STATE (18) | <u>CA</u> |
| | | ZIP (19) | <u>92833</u> |

ENVIRONMENTAL CONTACT

| | | | |
|----------------------|--|--------------------|--|
| CONTACT NAME (20) | | CONTACT PHONE (21) | |
| MAILING ADDRESS (22) | | | |
| CITY (23) | | STATE (24) | |
| | | ZIP (25) | |

EMERGENCY CONTACTS

| Primary | | Secondary | |
|----------------------|----------------------|----------------------|-----------------------|
| NAME: (26) | <u>Kwang K - Kim</u> | NAME: (31) | <u>Yeum Hee - Kim</u> |
| TITLE: (27) | <u>owner</u> | TITLE: (32) | |
| BUSINESS PHONE: (28) | [REDACTED] | BUSINESS PHONE: (33) | |
| 24-HOUR PHONE: (29) | [REDACTED] | 24-HOUR PHONE: (34) | |
| PAGER #: (30) | [REDACTED] | PAGER #: (35) | [REDACTED] |

ACUTELY HAZARDOUS MATERIALS (AHM) / EXTREMELY HAZARDOUS SUBSTANCE (EHS)

ON SITE AHM/EHS (36) Yes No If yes, and above Threshold Planning Quantities, attach a sheet of paper with a general description of the process and principal equipment.

ADDITIONAL LOCALLY COLLECTED INFORMATION

| | | | |
|---|--|------------------------------------|--|
| A. Type of Business Operation | <u>AUTO REPAIR</u> | G. Underground Storage Tanks | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N |
| B. Hours of Business Operation | <u>8am - 6pm</u> | H. Above ground Tank over 660 gal. | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N |
| C. Total Number of Employees | <u>3</u> | | |
| D. Property Owner Name | <u>CHARLIE KIM</u> | Address | <u>2623 WINSTON PL. / Fullerton</u> |
| E. Schools, hospitals within 1,000 ft. of business property | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | | |
| F. EPA I.D. Number | <u>CAL 912884120</u> | | |

Certification: I certify under penalty of law that I have personally examined and that I am familiar with the information submitted in this inventory and believe the information is true, accurate, and complete.

| | |
|--------------------------------------|----------------------|
| Print Name of Document Preparer (38) | <u>Kwang K - Kim</u> |
| Signature of Owner/Operator (39) | <u>[Signature]</u> |
| Date (40) | <u>11/22-99</u> |

CALIFORNIA CHEMICAL INVENTORY FORM – DESCRIPTION PAGE

(1) ADD DELETE REVISE NO CHANGE

PAGE (2) OF (3)

BUSINESS NAME (4) Kims Auto Service
 CHEMICAL LOCATION (5) (Address, Area, Building, etc.) 8971 CHAPMAN AVE
 MAP # (if more than one) (6) — GRID # (7)

CHEMICAL NAME (8) WASTE OIL TRADE SECRET (11) Y N
 COMMON NAME (9) AHM / *EHS (12) Y N
 CAS # (10) MIXTURE
 FIRE CODE HAZARD CLASSES* (13) CIII B
*IF EHS BOX IS "Y" ALL AMOUNTS MUST BE IN LBS

***COMPLETE BLOCK (13) IF REQUESTED BY THE LOCAL FIRE CHIEF - REFER TO INSTRUCTIONS.**

TYPE (14) PURE MIXTURE WASTE CHECK IF RADIOACTIVE (15) (16)
 PHYSICAL STATE (17) SOLID LIQUID GAS CURIES
 FED HAZARD CATEGORIES (18) FIRE REACTIVE PRESSURE RELEASE ACUTE HEALTH CHRONIC HEALTH
 STATE WASTE CODE (19) 221 UNITS (22) GAL CU FT LBS TONS MAX DAILY AMT (23) 220
 DAYS ON SITE (20) 365 *If EHS, amounts must be in lbs. AVG DAILY AMT (24) 110
 LARGEST CONTAINER (21) 55 ANNUAL WASTE AMT (25) 1320
 STORAGE CONTAINER (26) ABOVE GROUND TANK - INSIDE CAN BOX(S) TANK WAGON
 UNDER GROUND TANK CARBOY CYLINDER RAIL CAR
 TANK INSIDE BUILDING SILO GLASS CONTAINER
 STEEL DRUM FIBER DRUM PLASTIC CONTAINER Other
 PLASTIC/NONMETALLIC DRUM BAG(S) IN MACHINERY OR EQUIP.
 PRESSURE STORAGE (27) AMBIENT ABOVE AMBIENT BELOW AMBIENT
 STORAGE TEMPERATURE (28) AMBIENT ABOVE AMBIENT BELOW AMBIENT CRYOGENIC

| (29) % WT | (30) HAZARDOUS COMPONENTS | (31) EHS/AHM | (32) CAS # |
|-----------|---------------------------|---|------------|
| 1. | | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| 2. | | <input type="checkbox"/> Y <input type="checkbox"/> N | |
| 3. | | <input type="checkbox"/> Y <input type="checkbox"/> N | |

(33) **ADDITIONAL LOCALLY COLLECTED INFORMATION**
 *COMPLETE BLOCK (33) IF REQUESTED BY THE LOCAL FIRE CHIEF - REFER TO INSTRUCTIONS.

NFPA CLASSIFICATION
 UN/DOT # _____ Refer to shipping papers or MSDS
 DOT HAZARD CLASS _____ Refer to shipping papers or MSDS
 UFC HAZARD CLASS _____

NFPA 704 HAZARD DIAMOND
 FIRE RED
 HEALTH BLUE
 REACTIVE YELLOW
 SPECIAL HAZARD
 WHITE OX/W

MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED



Material Safety Data Sheet

Page 1 of 7

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

USED MOTOR OIL

PRODUCT NUMBER(S): CPS224500

COMPANY IDENTIFICATION

Chevron USA Products Company
Environmental, Safety, and Health
Room 2900
575 Market St.
San Francisco, CA 94105-2856

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (202)483-7616

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-1899
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % USED MOTOR OIL

CONTAINING

| COMPONENTS | AMOUNT | LIMIT/QTY | AGENCY/TYPE |
|-----------------|--------|-----------|-------------|
| MOTOR OIL, USED | 100.0% | | |

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

TLV - Threshold Limit Value
STEL - Short-term Exposure Limit
RQ - Reportable Quantity
C - Ceiling Limit
A1-5 - Appendix A Categories

TWA - Time Weighted Average
TPQ - Threshold Planning Quantity
PEL - Permissible Exposure Limit
CAS - Chemical Abstract Service Number
() - Change Has Been Proposed

Revision Number: 6

Revision Date: 03/15/94

MSDS Number: 001793

USED MOTOR OIL

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

Dark brown to black liquid.

- USED MOTOR OIL HAS CAUSED CANCER IN LABORATORY ANIMALS
- PROLONGED INHALATION OF VAPOR MAY BE HARMFUL
- KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYE:

This substance is not expected to cause prolonged or significant eye irritation.

SKIN:

This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic to internal organs. Read the Toxicology Information section (11) of this document for more information.

INGESTION:

If swallowed, this substance is considered practically non-toxic to internal organs.

INHALATION:

Prolonged breathing of aerosol can cause respiratory irritation.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION: Respiratory tract irritation may include, but may not be limited to, one or more of the following: nasal discharge, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

4. FIRST AID MEASURES

EYE:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN:

Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

INHALATION:

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: NDA

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NDA Upper: NDA

EXTINGUISHING MEDIA:

CO₂, dry chemical, foam and water fog.

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorous. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)483-7616

ACCIDENTAL RELEASE MEASURES:

This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems.

U.S.A. regulations require reporting spills of this material that could reach any surface waters. The toll free number for the U.S. Coast Guard National Response Center is (800) 424-8802.

Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is usually necessary.

SKIN PROTECTION:

Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

RESPIRATORY PROTECTION:

Unless ventilation is adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

ENGINEERING CONTROLS:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Dark brown to black liquid. #

pH: NDA

VAPOR PRESSURE: NDA

VAPOR DENSITY

(AIR=1): NDA

BOILING POINT: NDA

FREEZING POINT: NDA

MELTING POINT: NDA

SOLUBILITY: Soluble in petroleum solvents.

SPECIFIC GRAVITY: NDA

DENSITY: NDA

EVAPORATION RATE: NDA

PERCENT VOLATILE
(VOL): NDA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

USED MOTOR OIL

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

The Draize Eye Irritation Score (range, 0-110) in rabbits is 1.33/110.

SKIN EFFECTS:

The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0.46. The dermal LD50 in rabbits is greater than 5 ml/kg.

ACUTE ORAL EFFECTS:

The oral LD50 in rats is > 25 ml/kg.

ACUTE INHALATION EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ADDITIONAL TOXICOLOGY INFORMATION:

In laboratory tests sponsored by the American Petroleum Institute (API), mice developed skin cancer following repeated application of and continuous skin exposure to used motor oils with no effort made to remove oil between applications. Brief or intermittent skin contact with used motor oils is not expected to have serious effects if the material is thoroughly removed by washing with soap and water. While skin cancer is unlikely to occur in humans from the handling of used motor oil, skin contact should be reduced to a minimum by following the precautions outlined in this MSDS.

This product gave positive results in the following mutagen testing assays: Ames assay.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

ENVIRONMENTAL FATE:

No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Used oil collection services and collection centers can safely receive used motor oil for recycling or disposal. Some service stations, automotive service centers, and retailers provide used motor oil collection facilities.

Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE
FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES: 1. Immediate (Acute) Health Effects: NO
 2. Delayed (Chronic) Health Effects: YES
 3. Fire Hazard: NO
 4. Sudden Release of Pressure Hazard: NO
 5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

| | | |
|-------------------------|-------------------------|----------------------|
| 01=SARA 313 | 11=NJ RTK | 22=TSCA Sect 5(a)(2) |
| 02=MASS RTK | 12=CERCLA 302.4 | 23=TSCA Sect 6 |
| 03=NTP Carcinogen | 13=MN RTK | 24=TSCA Sect 12(b) |
| 04=CA Prop 65-Carcin | 14=ACGIH TWA | 25=TSCA Sect 8(a) |
| 05=CA Prop 65-Repro Tox | 15=ACGIH STEL | 26=TSCA Sect 8(d) |
| 06=IARC Group 1 | 16=ACGIH Calc TLV | 27=TSCA Sect 4(a) |
| 07=IARC Group 2A | 17=OSHA PEL | 28=Canadian WHMIS |
| 08=IARC Group 2B | 18=DOT Marine Pollutant | 29=OSHA CEILING |
| 09=SARA 302/304 | 19=Chevron TWA | 30=Chevron STEL |
| 10=PA RTK | 20=EPA Carcinogen | |

None of the components of this material are found on the regulatory lists indicated.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:

This Material Safety Data Sheet has been revised to comply with the

USED MOTOR OIL

ANSI Z400.1 Standard. Changes have also been made throughout this MSDS. Please read the entire document.

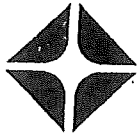
The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

MATERIAL SAFETY DATA SHEET

ARCO UNLEADED REGULAR GASOLINE

MSDS No.
APPC 306

Rev. Date
07/17/89



ARCO PRODUCTS COMPANY
DIVISION OF ATLANTIC RICHFIELD COMPANY
1055 WEST SEVENTH STREET
LOS ANGELES, CALIFORNIA 90051

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product
This product is considered a hazardous chemical under the OSHA Hazard Communication Rule.

I. General

| | | |
|---|--|---|
| Trade Name ARCOCLEAR GASOLINE OR ARCO UNLEADED GASOLINE | | Telephone Numbers EMERGENCY 213/484-5151 LA POISON 800/424-9300 CHEMTREC CUSTOMER SERVICE 800/322-2726 INFO ONLY |
| Other Names ARCO CLEAR GASOLINE UNLEADED REGULAR GASOLINE OR PETROL | | |
| Chemical Family HYDROCARBONS WITH ALCOHOLS AND/OR ETHERS | DOT Hazardous Materials Proper Shipping Name GASOLINE | |
| Generic Name PETROLEUM NAPHTHAS (BLENDED) | DOT Hazard Class FLAMMABLE LIQUID | |
| CAS No. SEE SECTION IX | Company ID No. 0116001160 | UN/NA ID No. UN 1203 |

II. DANGER Summary of Hazards

EXTREMELY FLAMMABLE! OSHA/NFPA CLASS-IA FLAMMABLE LIQUID.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
MAY CAUSE IRRITATION TO EYES, SKIN, AND RESPIRATORY SYSTEM!
AVOID LIQUID, MIST, AND VAPOR CONTACT. WASH THOROUGHLY AFTER HANDLING.
MAY BE HARMFUL IF INHALED.
AVOID BREATHING VAPORS OR MIST. USE ONLY WITH ADEQUATE VENTILATION.
LONG-TERM EXPOSURE TO COMPLETELY VAPORIZED GASOLINE HAS CAUSED CANCER IN LABORATORY ANIMALS. LIQUID PENETRATION OF SKIN CAN CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION AND/OR SYSTEMIC EFFECTS.
HARMFUL OR FATAL IF SWALLOWED! CONTAINS PETROLEUM DISTILLATES!
IF SWALLOWED, DO NOT INDUCE VOMITING SINCE ASPIRATION INTO THE LUNGS WILL CAUSE CHEMICAL PNEUMONIA. OBTAIN PROMPT MEDICAL ATTENTION.
GASOLINE IS KNOWN TO PRODUCE CARDIAC SENSITIZATION.

III. Fire and Explosion

| | | |
|--|--|--|
| Flash Point (Method) AP -45°F (D-56) SEE "FIRE & EXPLOSION HAZARDS" | Autoignition Temperature (Method) GT 600°F (E-659) BASED ON ACTUAL LAB TESTS | Flammable Limits (% Vol. In Air) At Normal Atmospheric Temperature and Pressure Lower AP 1.3 Upper AP 8.2 BASED ON ACTUAL LAB TESTS |
| Fire and Explosion Hazards EXTREMELY FLAMMABLE! THIS MATERIAL RELEASES VAPORS AT OR BELOW AMBIENT TEMPERATURES. WHEN MIXED WITH AIR IN CERTAIN PROPORTIONS AND EXPOSED TO AN IGNITION SOURCE, THESE VAPORS CAN BURN IN THE OPEN OR EXPLODE IN CONFINED SPACES. BEING HEAVIER THAN AIR, FLAMMABLE VAPORS MAY TRAVEL LONG DISTANCES ALONG THE GROUND BEFORE REACHING A POINT OF IGNITION AND FLASHING BACK. | | |
| Extinguishing Media FOAM DRY CHEMICAL CO2 HALON CONSULT FOAM MANUFACTURERS FOR APPROPRIATE MEDIA, APPLICATION RATES, AND WATER/FOAM RATIO. | | |
| Special Firefighting Procedures SUB-SURFACE APPLICATION IS ONLY RECOMMENDED WHERE IT IS KNOWN THAT THE FUEL CONTAINS LESS THAN 3% OXYGENATED BLENDING COMPONENTS. FOR FIRES INVOLVING THIS GASOLINE, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCIES. WATER FOG OR SPRAY ARE OF VALUE FOR COOLING TANK SHELLS AND SURFACES EXPOSED TO FIRE, BUT MAY NOT ACHIEVE EXTINGUISHMENT. | | |

IV. Health Hazards

Summary of Acute Hazards LIQUID, MIST OR VAPORS CAN CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION AND CNS DEPRESSION.

| ROUTE OF EXPOSURE | SIGNS AND SYMPTOMS | Primary Route(s) |
|--|--|-------------------------------------|
| Inhalation | EXPOSURE CAN CAUSE IRRITATION TO THE NOSE, THROAT, & LUNGS AND SIGNS OF CNS DEPRESSION (DIZZINESS, LOSS OF COORDINATION, COMA AND DEATH), DEPENDING ON THE CONCENTRATION/DURATION OF EXPOSURE. (SEE "SUMMARY" BELOW.) | <input checked="" type="checkbox"/> |
| Eye Contact | MILD EYE IRRITATION MAY RESULT FROM CONTACT WITH LIQUID, MIST, AND/OR VAPORS. | <input type="checkbox"/> |
| Skin Absorption | NO SIGNIFICANT SYSTEMIC EFFECTS ARE EXPECTED UNDER NORMAL USE CONDITIONS; BUT, SOME COMPONENTS OF THIS MIXTURE ARE CAPABLE OF PENETRATING THE SKIN. | <input checked="" type="checkbox"/> |
| Skin Irritation | MODERATE SKIN IRRITATION MAY OCCUR UPON SHORT-TERM EXPOSURE. | <input checked="" type="checkbox"/> |
| Ingestion | IRRITATION OF THE MOUTH, THROAT & GASTROINTESTINAL TRACT LEADING TO NAUSEA, VOMITING, DIARRHEA AND RESTLESSNESS. CNS DEPRESSION SIMILAR TO THAT CAUSED BY VAPOR INHALATION. | <input type="checkbox"/> |
| Summary of Chronic Hazards and Special Health Effects | A CHRONIC INHALATION STUDY WITH A GENERIC UNLEADED GASOLINE FORMULATED BY API CAUSED KIDNEY DAMAGE AND KIDNEY TUMORS IN MALE RATS AND LIVER TUMORS IN FEMALE MICE. THE EXACT RELATIONSHIP BETWEEN THESE RESULTS AND POSSIBLE HUMAN EFFECTS IS NOT KNOWN. ASPIRATION INTO THE LUNGS WILL CAUSE CHEMICAL PNEUMONIA. PERSONNEL WITH PRE-EXISTING CNS DISEASE, SKIN DISORDERS, IMPAIRED LIVER OR KIDNEY FUNCTION, OR CHRONIC RESPIRATORY DISEASES SHOULD AVOID EXPOSURE. | |

V. Protective Equipment and Other Control Measures

| | |
|--|---|
| Respiratory | USE NIOSH/MSHA-APPROVED RESPIRATOR WHEN VAPOR LEVELS EXCEED EXPOSURE LIMITS IN SECTION VI. USE FULL-FACEPIECE MASK ABOVE 600 PPM GASOLINE VAPORS, AND SUPPLIED-AIR OR SCBA EQUIPMENT ABOVE 1000 PPM. (SEE "OTHER" BOX BELOW.) |
| Eye | EYE PROTECTION SHOULD BE WORN WHENEVER THERE IS A LIKELIHOOD OF SPLASHING OR SPRAYING LIQUID. CONTACT LENSES SHOULD NOT BE WORN. SUITABLE EYE WASH WATER SHOULD BE AVAILABLE. |
| Skin | AVOID PROLONGED AND/OR REPEATED SKIN CONTACT. IF CONDITIONS OR FREQUENCY OF USE MAKE SIGNIFICANT CONTACT LIKELY, CLEAN AND IMPERVIOUS CLOTHING SUCH AS GLOVES, APRON, BOOTS, AND FACIAL PROTECTION SHOULD BE WORN. |
| Engineering Controls | USE ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATIONS OF THIS MATERIAL BELOW THE OCCUPATIONAL EXPOSURE LIMITS SHOWN BELOW IN SECTION VI. (SEE SECTION XI. - "GENERAL COMMENTS".) |
| Other Hygienic and Work Practices | USE GOOD PERSONAL HYGIENE PRACTICES. IN CASE OF SKIN CONTACT, WASH WITH MILD SOAP AND WATER OR A WATERLESS HAND CLEANER. IMMEDIATELY REMOVE SOAKED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. DISCARD GASOLINE-SOAKED SHOES. RESPIRATOR USE SHOULD COMPLY WITH OSHA STANDARDS. CONTROL OCCUPATIONAL EXPOSURES BELOW 1 PPM "BENZENE" RATHER THAN THE 300 PPM "GASOLINE" TLV. NEVER SIPHON GASOLINE BY MOUTH. SEE SECTION XI. FOR ADDITIONAL INFORMATION. |

VI. Occupational Exposure Limits

| Substance | Source | Date | Type | Value/Unlts | Time |
|--|--------|------|------|-------------|--------|
| BENZENE (TYPE "A2" CARCINOGEN) GASOLINE (SEE SECTION XI.) | ACGIH | 1989 | PEL | 1 PPM | 8 HRS |
| | ACGIH | 1989 | PEL | 300 PPM | 8 HRS |
| METHYL ALCOHOL (METHANOL) - SKIN | ACGIH | 1989 | STEL | 500 PPM | 15 MIN |
| | | | TWA | 200 PPM | 8 HRS |
| ETHYL ALCOHOL (ETHANOL) ETHYL BENZENE | ACGIH | 1989 | STEL | 250 PPM | 15 MIN |
| | ACGIH | 1989 | PEL | 1000 PPM | 8 HRS |
| TRIMETHYL BENZENE (1,2,4) TOLUENE | ACGIH | 1989 | PEL | 100 PPM | 8 HRS |
| | ACGIH | 1989 | STEL | 125 PPM | 15 MIN |
| XYLENE | ACGIH | 1989 | PEL | 25 PPM | 8 HRS |
| | ACGIH | 1989 | PEL | 100 PPM | 8 HRS |
| CUMENE | ACGIH | 1989 | PEL | 150 PPM | 15 MIN |
| | ACGIH | 1989 | PEL | 100 PPM | 8 HRS |
| | ACGIH | 1989 | STEL | 150 PPM | 15 MIN |
| | ACGIH | 1989 | PEL | 50 PPM | 8 HRS |



ARCO UNLEADED REGULAR GASOLINE

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VII. Emergency and First Aid

| | |
|--|--|
| Inhalation | IMMEDIATELY MOVE PERSONNEL TO AREA OF FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, OR ADMINISTER CPR (CARDIOPULMONARY RESUSCITATION), IF NECESSARY. OBTAIN MEDICAL ATTENTION IF BREATHING DIFFICULTIES CONTINUE. |
| Eye Contact | FLUSH WITH CLEAN LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. |
| Skin Contact | IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH AFFECTED SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. |
| Ingestion | DO NOT INDUCE VOMITING, SINCE ASPIRATION INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONIA. IF ASPIRATION OCCURS, PROMPTLY OBTAIN MEDICAL ATTENTION. |
| Emergency Medical Treatment Procedures | SEE ABOVE PROCEDURES. |

VIII. Spill and Disposal

Precautions if Material is Spilled or Released

CONTAIN SPILL. REMOVE ALL IGNITION SOURCES AND SAFELY STOP FLOW OF SPILL. IN URBAN AREAS, CLEANUP AS SOON AS POSSIBLE; IN NATURAL ENVIRONMENTS, SEEK ADVICE FROM ECOLOGISTS. EVACUATE ALL NON-ESSENTIAL PERSONNEL. USE PROPER PROTECTIVE EQUIPMENT. BLANKET WITH FOAM OR USE WATER FOG TO DISPERSE VAPORS. PADS AND ABSORBANT MATERIAL CAN BE USED. GASOLINE WILL FLOAT ON WATER AND RESULTING RUNOFF MAY CREATE AN EXPLOSION OR FIRE HAZARD. COMPLY WITH ALL APPLICABLE LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802). GASOLINE OR CONTAMINATED MATERIALS MAY BE HAZARDOUS TO HUMAN AND OTHER LIFE.

Waste Disposal Methods

MAXIMIZE PRODUCT RECOVERY FOR REUSE PRIOR TO DISPOSAL. DISPOSE OF PRODUCT, CONTAMINATED MATERIAL, AND STORAGE TANK WATER BOTTOMS AS AN EPA "IGNITABLE HAZARDOUS WASTE" (D001), UNLESS PROVEN OTHERWISE. USE APPROVED TREATMENT, TRANSPORTERS, AND DISPOSAL SITES IN COMPLIANCE WITH ALL LAWS. TANK BOTTOMS AND TANK WATER BOTTOMS MAY BE HAZARDOUS TO HUMAN, ANIMAL AND AQUATIC LIFE. IF SPILL IS INTRODUCED INTO A WASTEWATER SYSTEM, THE CHEMICAL AND BIOLOGICAL OXYGEN DEMAND WILL LIKELY INCREASE. SPILL MATERIAL IS BIODEGRADABLE IF GRADUALLY EXPOSED TO MICROORGANISMS. A POTENTIAL DISPOSAL METHOD IS INCINERATION.

IX. Components (This may not be a complete list of components)

| Component Name | CAS No. | Carcinogen## | | Composition amount (Vol.) (See Qualification on Page 4) | |
|--|-----------|--------------|----|--|--------------|
| | | N/AP | AP | 89 TO | 99 PERCENT |
| HYDROCARBONS WITH A BOILING POINT RANGE OF 70° F. TO 440° F. | | N/AP | AP | | |
| METHYL TERTIARY-BUTYL ETHER (MTBE) | 1634-04-4 | N/AP | AP | 0 TO | 11 PERCENT |
| GASOLINE-GRADE TERTIARY-BUTYL ALCOHOL | 75-65-0 | N/AP | AP | 0 TO | 10 PERCENT |
| ETHANOL | 64-17-5 | N/AP | AP | 0 TO | 10 PERCENT |
| METHANOL (METHYL ALCOHOL) | 67-56-1 | N/AP | AP | 0 TO | 5 PERCENT |
| BENZENE | 71-43-2 | 1, 2, 3, 4 | LT | 5 PERCENT | |
| 1,2,4-TRIMETHYLBENZENE (PSEUDOCUMENE) | 95-63-6 | N/AP | AP | 4.0 TO | 6.0 PERCENT |
| ETHYL BENZENE | 100-41-4 | N/AP | AP | 1.0 TO | 3.0 PERCENT |
| TOLUENE (METHYLBENZENE) | 108-88-3 | N/AP | AP | 7.0 TO | 13.0 PERCENT |
| N-HEXANE | 110-54-3 | N/AP | AP | 2 TO | 4 PERCENT |
| CYCLOHEXANE | 110-82-7 | N/AP | AP | 0 TO | 1 PERCENT |
| N-OCTANE | 111-65-9 | N/AP | AP | 0.1 TO | 0.6 PERCENT |
| NAPHTHALENE HYDROCARBONS | 91-20-3* | N/AP | AP | 0.1 TO | 0.5 PERCENT |
| XYLENE (TOTAL OF ALL ISOMERS) | 1330-20-7 | N/AP | AP | 10.0 TO | 13.0 PERCENT |

##Listed By: 1 = NTP, 2 = IARC, 3 = OSHA, 4 = Other

Compositions given are typical values, not specifications.

X. Physical and Chemical Data

| | | |
|---|--|---|
| Boiling Point AP 35° TO 440° F | Viscosity Units, Temp. (Method) N/AP | Dry Point AP 430° F |
| Freezing Point N/AP | Vapor Pressure (REID-PSIA AT 100° F) AP 8 TO 15 | Volatile Characteristics APPRECIABLE |
| Specific Gravity (H ₂ O = 1 at 39.2° F) AP 0.72 TO 0.77 | Vapor Sp. Gr. (Air = 1.0 at 60° - 90° F) AP 3.5 | Solubility in Water SEE BELOW. |
| Hazardous Polymerization NOT EXPECTED TO OCCUR | Other Chemical Reactivity N/P | pH N/AP |
| Other Physical and Chemical Properties | WATER IN CONTACT WITH OXYGENATED GASOLINE CAN CONTAIN UP TO 80% OXYGENATE & HYDROCARBON MATERIALS. | |
| Appearance and Odor | COLORLESS TO STRAW-COLORED LIQUID; PETROLEUM NAPHTHA ODOR. | |
| Conditions to Avoid | HEAT, SPARKS, AND OPEN FLAME. | |
| Materials to Avoid | AVOID CONTACT WITH WATER. REACTS WITH STRONG ACIDS AND STRONG OXIDIZING MATERIALS. | |
| Hazardous Decomposition Products | BURNING OR EXCESSIVE HEATING MAY PRODUCE CARBON MONOXIDE AND OTHER HARMFUL GASES AND VAPORS. | |

XI. Additional Precautions

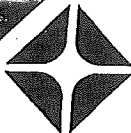
| | | | |
|--|--|--|---|
| Handling, Storage and Decontamination Procedures | STORE AND TRANSPORT IN ACCORDANCE WITH ALL APPLICABLE LAWS. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME! KEEP CONTAINERS CLOSED AND NOT IN CLOSED VEHICLES. CONTAINERS SHOULD BE ABLE TO WITHSTAND PRESSURES EXPECTED FROM WARMING OR COOLING IN STORAGE. GROUND ALL DRUMS AND TRANSFER VESSELS WHEN HANDLING. THE PRESENCE OF BLENDING COMPOUNDS IN THIS GASOLINE MAY REQUIRE USE OF SPECIAL PROCEDURES AND PROTECTIVE EQUIPMENT FOR TANK, VESSEL, OR OTHER ENCLOSED SPACE ENTRY. REFER TO AMERICAN PETROLEUM INSTITUTE PUBLICATIONS RP 2015 AND 2015A FOR SPECIAL PRECAUTIONS. ALL ELECTRICAL EQUIPMENT IN GASOLINE STORAGE AND/OR HANDLING AREAS SHOULD BE INSTALLED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, N.F.P.A. KEEP OUT OF REACH OF CHILDREN! EMPTY CONTAINERS RETAIN SOME LIQUID/VAPOR RESIDUES; HAZARD PRECAUTIONS MUST BE OBSERVED WHEN HANDLING EMPTIES. USE OF ANY HYDROCARBON FUEL IN SPACES WITHOUT ADEQUATE VENTILATION MAY RESULT IN GENERATION OF HAZARDOUS LEVELS OF VAPOR AND/OR INADEQUATE OXYGEN LEVELS. | | |
| General Comments | AS LITTLE AS 4 ML OF METHANOL IS KNOWN TO PRODUCE BLINDNESS IN HUMANS AND INGESTION OF 80 TO 150 ML IS USUALLY FATAL. METHANOL HAS BEEN SHOWN TO PRODUCE BIRTH DEFECTS IN LABORATORY ANIMALS. ETHANOL IS A LIVER TOXIN AND CAN CAUSE BIRTH DEFECTS IN CHILDREN FROM MOTHERS WHO ABUSE ALCOHOL WHILE PREGNANT. THERE WERE NO BENZENE-INDUCED EFFECTS NOTED IN STUDIES ON LABORATORY ANIMALS AFTER LONG-TERM EXPOSURE TO VAPORS OF AN UNLEADED GASOLINE SAMPLE CONTAINING 2 VOL.% BENZENE, A RECOGNIZED HUMAN CARCINOGEN. HOWEVER, THE RISK OF BENZENE-INDUCED TOXICITY OR CARCINOGENICITY ASSOCIATED WITH THIS PRODUCT IS NOT KNOWN. "PETROLEUM DISTILLATE"--16 CFR 1500.14(B)(3). USE SPECIAL FEDERAL LABELING IF INTENDED, OR PACKAGED, FOR USE IN THE HOUSEHOLD OR BY CHILDREN. SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE MIXTURE ITSELF. | | |
| --- Note --- | Qualifications: | EQ = Equal LT = Less Than GT = Greater Than | AP = Approximately UK = Unkown TR = Trace |
| | | N/P = No Applicable Information Found N/AP = Not Applicable N/DA = No Data Available | |

Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.



XII.

Regulatory Information

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III

SECTION 311/312 HAZARD CATEGORIES

IMMEDIATE (ACUTE) HEALTH HAZARD
FIRE HAZARD

DELAYED (CHRONIC) HEALTH HAZARD

SECTION 313

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 AND 40 CFR 372:

- METHYL TERTIARY-BUTYL ETHER (MTBE)
- GASOLINE-GRADE TERTIARY-BUTYL ALCOHOL
- METHANOL (METHYL ALCOHOL)
- BENZENE
- 1,2,4-TRIMETHYLBENZENE (PSEUDOCUMENE)
- ETHYL BENZENE
- TOLUENE (METHYLBENZENE)
- CYCLOHEXANE
- NAPHTHALENE HYDROCARBONS
- XYLENE (TOTAL OF ALL ISOMERS)

TOXIC SUBSTANCES CONTROL ACT (TSCA)

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF CERCLA:

| | REPORTABLE QUANTITY (RQ), LBS |
|-------------------------------|-------------------------------|
| METHANOL (METHYL ALCOHOL) | 5000#/2270KG |
| BENZENE | 1000#/454KG |
| ETHYL BENZENE | 1000#/454KG |
| TOLUENE (METHYLBENZENE) | 1000#/454KG |
| CYCLOHEXANE | 1000#/454KG |
| NAPHTHALENE HYDROCARBONS | 1000#/454KG |
| XYLENE (TOTAL OF ALL ISOMERS) | 100#/45.4KG |
| | 1000#/454KG |

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED BY THE STATE OF CALIFORNIA AS "KNOWN TO THE STATE TO CAUSE CANCER":

- BENZENE
- NAPHTHALENE HYDROCARBONS

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED BY THE STATE OF CALIFORNIA AS "KNOWN TO THE STATE TO CAUSE REPRODUCTIVE TOXICITY":

- ETHANOL



ARCO UNLEADED REGULAR GASOLINE

MSDS No
APPC 306
Rev. Date
07/17/89

Continued from
Section VI Page 2

Occupational Exposure Limits

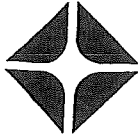
| Substance | Source | Date | Type | Value/Units | Time |
|---------------------------|--------|------|------|-------------|--------|
| NAPHTHALENE | ACGIH | 1989 | PEL | 10 PPM | 8 HRS |
| CYCLOHEXANE | ACGIH | 1989 | PEL | 300 PPM | 8 HRS |
| N-HEXANE | ACGIH | 1989 | PEL | 50 PPM | 8 HRS |
| N-OCTANE | ACGIH | 1989 | PEL | 300 PPM | 8 HRS |
| GASOLINE | OSHA | 1989 | STEL | 375 PPM | 15 MIN |
| | | | PEL | 300 PPM | 8 HRS |
| TOLUENE | OSHA | 1989 | STEL | 500 PPM | 15 MIN |
| | | | PEL | 100 PPM | 8 HRS |
| XYLENE | OSHA | 1989 | STEL | 150 PPM | 15 MIN |
| | | | PEL | 100 PPM | 8 HRS |
| CUMENE | OSHA | 1989 | STEL | 150 PPM | 15 MIN |
| ETHYL BENZENE | OSHA | 1989 | PEL | 50 PPM | 8 HRS |
| | | | PEL | 100 PPM | 8 HRS |
| TRIMETHYL BENZENE | OSHA | 1989 | STEL | 125 PPM | 15 MIN |
| BENZENE | OSHA | 1989 | PEL | 25 PPM | 8 HRS |
| METHANOL (METHYL ALCOHOL) | OSHA | 1989 | PEL | 1 PPM | 8 HRS |
| | | | PEL | 200 PPM | 8 HRS |
| ETHANOL (ETHYL ALCOHOL) | OSHA | 1989 | STEL | 250 PPM | 15 MIN |
| NAPHTHALENE | OSHA | 1989 | PEL | 1000 PPM | 8 HRS |
| CYCLOHEXANE | OSHA | 1989 | PEL | 10 PPM | 8 HRS |
| N-HEXANE | OSHA | 1989 | PEL | 300 PPM | 8 HRS |
| N-OCTANE | OSHA | 1989 | PEL | 50 PPM | 8 HRS |
| | | | STEL | 300 PPM | 8 HRS |
| | | | | 375 PPM | 15 MIN |

MATERIAL SAFETY DATA SHEET

ARCO EC-1 REGULAR GASOLINE

MSDS No.
APPC 305

Rev. Date
04/19/90



ARCO PRODUCTS COMPANY
DIVISION OF ATLANTIC RICHFIELD COMPANY
1055 WEST SEVENTH STREET
LOS ANGELES, CALIFORNIA 90051

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product

This product is considered a hazardous chemical under the OSHA Hazard Communication Rule.

I. General

| | | |
|---|--|---|
| Trade Name ARCO EC-1 REGULAR GASOLINE | | Telephone Numbers EMERGENCY 213/484-5151 LA POISON 800/424-9300 CHEMTREC CUSTOMER SERVICE 800/322-2726 INFO ONLY |
| Other Names UNLEADED GASOLINE, UNLEADED REGULAR GASOLINE ARCO EC-1 REGULAR ADDITIZED GASOLINE | | |
| Chemical Family N/P | DOT Hazardous Materials Proper Shipping Name GASOLINE | |
| Generic Name PETROLEUM NAPHTHAS (BLENDED) | DOT Hazard Class NOT REGULATED | |
| CAS No. SEE SECTION IX | Company ID No. 0116001161 | UN/NA ID No. UN 1203 |

II. DANGER Summary of Hazards

EXTREMELY FLAMMABLE! OSHA/NFPA CLASS-1A FLAMMABLE LIQUID. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. MAY CAUSE IRRITATION TO EYES, SKIN, AND RESPIRATORY SYSTEM. AVOID BREATHING VAPORS OR MISTS. USE ONLY WITH ADEQUATE VENTILATION. LONG TERM EXPOSURE TO COMPLETELY VAPORIZED GASOLINE HAS CAUSED CANCER IN LABORATORY ANIMALS. LIQUID PENETRATION OF THE SKIN CAN CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION AND/OR SYSTEMIC EFFECTS. HARMFUL OR FATAL IF SWALLOWED! CONTAINS PETROLEUM DISTILLATES! IF SWALLOWED, DO NOT INDUCE VOMITING SINCE ASPIRATION INTO THE LUNGS WILL CAUSE CHEMICAL PNEUMONIA. OBTAIN PROMPT MEDICAL ATTENTION. BASED ON THE RESULTS OF ANIMAL STUDIES, COMPONENTS OF THIS MATERIAL HAVE PRODUCED TOXIC EFFECTS ON THE LIVER, KIDNEY, AND OTHER INTERNAL ORGANS AND THE FETUS. GASOLINE MAY SENSITIZE THE HEART TO SYMPATHOMIMETICS LIKE EPINEPHRINE, RESULTING IN IRREGULAR RHYTHMS.

III. Fire and Explosion

| | | |
|--|---|--|
| Flash Point (Method) AP -45° F (D-56) SEE "FIRE & EXPLOSION HAZARDS" | Autoignition Temperature (Method) GT 600° F (E-659) BASED ON ACTUAL LAB TESTS | Flammable Limits (% Vol. in Air) At Normal Atmospheric Temperature and Pressure Lower AP 1.3 Upper AP 8.2 BASED ON ACTUAL LAB TESTS |
|--|---|--|

Fire and Explosion Hazards
EXTREMELY FLAMMABLE! THIS MATERIAL RELEASES VAPORS AT OR BELOW AMBIENT TEMPERATURES. WHEN MIXED WITH AIR IN CERTAIN PROPORTIONS AND EXPOSED TO AN IGNITION SOURCE, THESE VAPORS CAN BURN IN THE OPEN OR EXPLODE IN CONFINED SPACES. BEING HEAVIER THAN AIR, FLAMMABLE VAPORS MAY TRAVEL LONG DISTANCES ALONG THE GROUND BEFORE REACHING A POINT OF IGNITION AND FLASHING BACK.

Extinguishing Media
FOAM
DRY CHEMICAL
CO2
HALON
CONSULT FOAM MANUFACTURERS FOR APPROPRIATE MEDIA, APPLICATION RATES, AND WATER/FOAM RATIO.

Special Firefighting Procedures
FOR FIRES INVOLVING THIS MATERIAL, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCIES. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.



VII

Emergency and First Aid

Inhalation IMMEDIATELY MOVE PERSONNEL TO AREA OF FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, OR ADMINISTER CPR (CARDIOPULMONARY RESUSCITATION), IF NECESSARY. OBTAIN MEDICAL ATTENTION IF BREATHING DIFFICULTIES CONTINUE.

Eye Contact FLUSH WITH CLEAN LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

Skin Contact IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH AFFECTED SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

Ingestion DO NOT INDUCE VOMITING, SINCE ASPIRATION INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONIA. IF ASPIRATION OCCURS, PROMPTLY OBTAIN MEDICAL ATTENTION.

Emergency Medical Treatment Procedures SEE ABOVE PROCEDURES.

VIII

Spill and Disposal

Precautions if Material is Spilled or Released CONTAIN SPILL. REMOVE ALL IGNITION SOURCES AND SAFELY STOP FLOW OF SPILL. IN URBAN AREAS, CLEANUP AS SOON AS POSSIBLE; IN NATURAL ENVIRONMENTS, SEEK ADVICE FROM ECOLOGISTS. EVACUATE ALL NON-ESSENTIAL PERSONNEL. USE PROPER PROTECTIVE EQUIPMENT. BLANKET WITH FOAM OR USE WATER FOG TO DISPERSE VAPORS. PADS AND ABSORBANT MATERIAL CAN BE USED. GASOLINE WILL FLOAT ON WATER AND RESULTING RUNOFF MAY CREATE AN EXPLOSION OR FIRE HAZARD. COMPLY WITH ALL APPLICABLE LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802). GASOLINE OR CONTAMINATED MATERIALS MAY BE HAZARDOUS TO HUMAN AND OTHER LIFE.

Waste Disposal Methods MAXIMIZE PRODUCT RECOVERY FOR REUSE PRIOR TO DISPOSAL. DISPOSE OF PRODUCT, CONTAMINATED MATERIAL, AND STORAGE TANK WATER BOTTOMS AS AN EPA "IGNITABLE HAZARDOUS WASTE" (D001), UNLESS PROVEN OTHERWISE. USE APPROVED TREATMENT, TRANSPORTERS, AND DISPOSAL SITES IN COMPLIANCE WITH ALL LAWS. TANK BOTTOMS AND TANK WATER BOTTOMS MAY BE HAZARDOUS TO HUMAN, ANIMAL AND AQUATIC LIFE. IF SPILL IS INTRODUCED INTO A WASTEWATER SYSTEM, THE CHEMICAL AND BIOLOGICAL OXYGEN DEMAND WILL LIKELY INCREASE. SPILL MATERIAL IS BIODEGRADABLE IF GRADUALLY EXPOSED TO MICROORGANISMS. A POTENTIAL DISPOSAL METHOD IS INCINERATION.

IX

Components

{ This may not be a complete list of components }

| Component Name | CAS No. | Carcinogen## | | Composition amount (Vol.) (See Qualification on Page 4) | |
|--|-----------|--------------|----|--|-------------|
| | | N/AP | AP | 10 TO | 100 PERCENT |
| HYDROCARBONS WITH A BOILING POINT RANGE OF 70° F. TO 440° F. | | | | | |
| METHYL TERTIARY-BUTYL ETHER (MTBE) | | | | | |
| BENZENE | 1634-04-4 | N/AP | AP | 5 TO | 15 PERCENT |
| 1,2,4-TRIMETHYLBENZENE (PSEUDOCUMENE) | 71-43-2 | 1,2,3,4 | AP | 1.0 TO | 2.0 PERCENT |
| CUMENE (ISOPROPYLBENZENE) | 95-63-6 | N/AP | AP | 4 TO | 6 PERCENT |
| ETHYL BENZENE | 98-82-8 | N/AP | AP | 0 TO | 1 PERCENT |
| TOLUENE (METHYLBENZENE) | 100-41-4 | N/AP | AP | 1 TO | 3 PERCENT |
| N-HEXANE | 108-88-3 | N/AP | AP | 5 TO | 13 PERCENT |
| CYCLOHEXANE | 110-54-3 | N/AP | AP | 2 TO | 4 PERCENT |
| XYLENE (TOTAL OF ALL ISOMERS) | 110-82-7 | N/AP | AP | 0 TO | 1 PERCENT |
| | 1330-20-7 | N/AP | AP | 5 TO | 13 PERCENT |

##Listed By: 1 = NTP, 2 = IARC, 3 = OSHA, 4 = Other

Compositions given are typical values, not specifications.



XII.

Regulatory Information

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III

SECTION 311/312 HAZARD CATEGORIES
IMMEDIATE (ACUTE) HEALTH HAZARD
FIRE HAZARD

DELAYED (CHRONIC) HEALTH HAZARD

SECTION 313

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 AND 40 CFR 372:

- METHYL TERTIARY-BUTYL ETHER (MTBE)
- BENZENE
- 1,2,4-TRIMETHYLBENZENE (PSEUDOCUMENE)
- CUMENE (ISOPROPYLBENZENE)
- ETHYL BENZENE
- TOLUENE (METHYLBENZENE)
- CYCLOHEXANE
- XYLENE (TOTAL OF ALL ISOMERS)

TOXIC SUBSTANCES CONTROL ACT (TSCA)

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF CERCLA:

| | REPORTABLE QUANTITY (RQ), LBS |
|-------------------------------|-------------------------------|
| BENZENE | 1000#/454KG |
| CUMENE (ISOPROPYLBENZENE) | 5000#/2270KG |
| ETHYL BENZENE | 1000#/454KG |
| TOLUENE (METHYLBENZENE) | 1000#/454KG |
| CYCLOHEXANE | 1000#/454KG |
| XYLENE (TOTAL OF ALL ISOMERS) | 1000#/454KG |

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED BY THE STATE OF CALIFORNIA AS "KNOWN TO THE STATE TO CAUSE CANCER":

- BENZENE

MATERIAL SAFETY DATA SHEET

ARCO EC-PREMIUM

MSDS No.
APPC 307

Rev. Date
07/03/90



ARCO PRODUCTS COMPANY
DIVISION OF ATLANTIC RICHFIELD COMPANY
1055 WEST SEVENTH STREET
LOS ANGELES, CALIFORNIA 90051

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product

This product is considered a hazardous chemical under the OSHA Hazard Communication Rule.

I. General

| | | | |
|--|---|---|--|
| Trade Name ARCO EC-PREMIUM | | Telephone Numbers EMERGENCY 213/484-5151 LA POISON 800/424-9300 CHEMTREC CUSTOMER SERVICE 800/322-2726 INFO ONLY | |
| Other Names ECP , EC PREMIUM , PREMIUM | | | |
| Chemical Family N/P | DOT Hazardous Materials Proper Shipping Name GASOLINE | | |
| Generic Name PETROLEUM NAPHTHAS (BLENDED) | DOT Hazard Class NOT REGULATED Flammable liquid | | |
| CAS No. 8006-61-9* | Company ID No. 0116001162 | UN/NA ID No. UN 1203 | |

II. DANGER Summary of Hazards

EXTREMELY FLAMMABLE! OSHA/NFPA CLASS-1A FLAMMABLE LIQUID. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME. MAY CAUSE IRRITATION TO EYES, SKIN, AND RESPIRATORY SYSTEM. AVOID BREATHING VAPORS OR MISTS. USE ONLY WITH ADEQUATE VENTILATION. LONG TERM EXPOSURE TO COMPLETELY VAPORIZED GASOLINE HAS CAUSED CANCER IN LABORATORY ANIMALS. LIQUID PENETRATION OF THE SKIN CAN CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION AND/OR SYSTEMIC EFFECTS. HARMFUL OR FATAL IF SWALLOWED! CONTAINS PETROLEUM DISTILLATES! IF SWALLOWED, DO NOT INDUCE VOMITING SINCE ASPIRATION INTO THE LUNGS WILL CAUSE CHEMICAL PNEUMONIA. OBTAIN PROMPT MEDICAL ATTENTION. BASED ON THE RESULTS OF ANIMAL STUDIES, COMPONENTS OF THIS MATERIAL HAVE PRODUCED TOXIC EFFECTS ON THE LIVER, KIDNEY, AND OTHER INTERNAL ORGANS AND THE FETUS. GASOLINE MAY SENSITIZE THE HEART TO SYMPATHOMIMETICS LIKE EPHINEPHRINE, RESULTING IN IRREGULAR RHYTHMS.

III. Fire and Explosion

| | | |
|--|---|--|
| Flash Point (Method) AP -45° F (D-56) SEE "FIRE & EXPLOSION HAZARDS" | Autoignition Temperature (Method) GT 600° F (E-659) BASED ON ACTUAL LAB TESTS | Flammable Limits (% Vol. in Air) At Normal Atmospheric Temperature and Pressure Lower AP 1.3 Upper AP 8.2 BASED ON ACTUAL LAB TESTS |
|--|---|--|

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Extinguishing Media
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DRY CHEMICAL
CO2
HALON
CONSULT FOAM MANUFACTURERS FOR APPROPRIATE MEDIA, APPLICATION RATES, AND WATER/FOAM RATIO.

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FOR FIRES INVOLVING THIS MATERIAL, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCIES. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.



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Eye Contact FLUSH WITH CLEAN LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

Skin Contact IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH AFFECTED SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

Ingestion DO NOT INDUCE VOMITING, SINCE ASPIRATION INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONIA. IF ASPIRATION OCCURS, PROMPTLY OBTAIN MEDICAL ATTENTION.

Emergency Medical Treatment Procedures SEE ABOVE PROCEDURES.

VIII.

Spill and Disposal

Precautions if Material is Spilled or Released CONTAIN SPILL. REMOVE ALL IGNITION SOURCES AND SAFELY STOP FLOW OF SPILL. IN URBAN AREAS, CLEANUP AS SOON AS POSSIBLE; IN NATURAL ENVIRONMENTS, SEEK ADVICE FROM ECOLOGISTS. EVACUATE ALL NON-ESSENTIAL PERSONNEL. USE PROPER PROTECTIVE EQUIPMENT. BLANKET WITH FOAM OR USE WATER FOG TO DISPERSE VAPORS. PADS AND ABSORBANT MATERIAL CAN BE USED. GASOLINE WILL FLOAT ON WATER AND RESULTING RUNOFF MAY CREATE AN EXPLOSION OR FIRE HAZARD. COMPLY WITH ALL APPLICABLE LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802). GASOLINE OR CONTAMINATED MATERIALS MAY BE HAZARDOUS TO HUMAN AND OTHER LIFE.

Waste Disposal Methods MAXIMIZE PRODUCT RECOVERY FOR REUSE PRIOR TO DISPOSAL. DISPOSE OF PRODUCT, CONTAMINATED MATERIAL, AND STORAGE TANK WATER BOTTOMS AS AN EPA "IGNITABLE HAZARDOUS WASTE" (D001), UNLESS PROVEN OTHERWISE. USE APPROVED TREATMENT, TRANSPORTERS, AND DISPOSAL SITES IN COMPLIANCE WITH ALL LAWS. TANK BOTTOMS AND TANK WATER BOTTOMS MAY BE HAZARDOUS TO HUMAN, ANIMAL AND AQUATIC LIFE. IF SPILL IS INTRODUCED INTO A WASTEWATER SYSTEM, THE CHEMICAL AND BIOLOGICAL OXYGEN DEMAND WILL LIKELY INCREASE. SPILL MATERIAL IS BIODEGRADABLE IF GRADUALLY EXPOSED TO MICROORGANISMS. A POTENTIAL DISPOSAL METHOD IS INCINERATION.

IX.

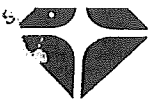
Components

(This may not be a complete list of components)

| Component Name | CAS No. | Carcinogen## | | Composition amount (Vol.) (See Qualification on Page 4) | |
|--|-------------|--------------|----|--|-------------|
| | | N/AP | AP | 80 TO | 100 PERCENT |
| HYDROCARBONS WITH A BOILING POINT RANGE OF 70° F. TO 440° F. | | | | | |
| BENZENE | | | | | |
| CUMENE (ISOPROPYLBENZENE) | 71-43-2 | 1,2,3,4 | AP | 1 TO | 2 PERCENT |
| ETHYL BENZENE | 98-82-8 | N/AP | AP | 0 TO | 1 PERCENT |
| TOLUENE (METHYLBENZENE) | 100-41-4 | N/AP | AP | 1 TO | 3 PERCENT |
| N-HEXANE | 108-88-3 | N/AP | AP | 5 TO | 13 PERCENT |
| CYCLOHEXANE | 110-54-3 | N/AP | AP | 2 TO | 4 PERCENT |
| XYLENE (TOTAL OF ALL ISOMERS) | 110-82-7 | N/AP | AP | 0 TO | 1 PERCENT |
| METHYL T-BUTYL ETHER (MTBE) | 1330-20-7 | N/AP | AP | 5 TO | 13 PERCENT |
| TRIMETHYL BENZENE (TOTAL OF ALL ISOMERS) | 1634-04-4 | N/AP | AP | 5 TO | 15 PERCENT |
| | 25551-13-7* | N/AP | AP | 4 TO | 6 PERCENT |

##Listed By: 1 = NTP, 2 = IARC, 3 = OSHA, 4 = Other

Compositions given are typical values, not specifications.



XII.

Regulatory Information

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III

SECTION 311/312 HAZARD CATEGORIES
IMMEDIATE (ACUTE) HEALTH HAZARD
FIRE HAZARD

DELAYED (CHRONIC) HEALTH HAZARD

SECTION 313

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 AND 40 CFR 372:

- BENZENE
- CUMENE (ISOPROPYLBENZENE)
- ETHYL BENZENE
- TOLUENE (METHYLBENZENE)
- CYCLOHEXANE
- XYLENE (TOTAL OF ALL ISOMERS)
- METHYL T-BUTYL ETHER (MTBE)

TOXIC SUBSTANCES CONTROL ACT (TSCA)

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF CERCLA:
REPORTABLE QUANTITY (RQ), LBS

| | |
|-------------------------------|--------------|
| BENZENE | 1000#/454KG |
| CUMENE (ISOPROPYLBENZENE) | 5000#/2270KG |
| ETHYL BENZENE | 1000#/454KG |
| TOLUENE (METHYLBENZENE) | 1000#/454KG |
| CYCLOHEXANE | 1000#/454KG |
| XYLENE (TOTAL OF ALL ISOMERS) | 1000#/454KG |

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED BY THE STATE OF CALIFORNIA AS "KNOWN TO THE STATE TO CAUSE CANCER":

- BENZENE

MATERIAL SAFETY DATA SHEET
SAFETY-KLEEN CORP.
 777 Big Timber Rd.
 Elgin, IL 60123



IDENTITY (As Used on Label and List) Immersion Cleaner & and Cold Parts Cleaner 699 *Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

Section I Ref. 195-80C

| | |
|--|--|
| Manufacturer's Name Safety-Kleen Corporation | Emergency Telephone Number (708) 697-8460 |
| Address (Number, Street, City, State, and ZIP Code) 777 Big Timber Road | Telephone Number for Information (708) 697-8460 |
| Elgin, Illinois 60123 | Date Prepared 10/5/89 |
| | Signature of Preparer (optional) |

Section II—Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | CAS No. | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|------------|----------------|--------------|--------------------------|--------------|
| Aromatic 150 | 64742-94-5 | not determined | | 100 ppm for 8 hrs. | |
| N-Methyl-2-Pyrrolidone (NMP) | 872-50-4 | 100 ppm | 100 ppm | | |
| Water | 7732-18-5 | | | | |
| Dipropylene Glycol Methyl Ether (DPH) | 34590-94-8 | 100 ppm | | | |
| Monoethanolamine (MEA) | 141-43-5 | 3 ppm (skin) | 3 ppm (skin) | | |
| Oleic Acid | 112-80-1 | not determined | | | |

Section III—Physical/Chemical Characteristics

| | | | |
|-------------------------|---------|---|-------|
| Boiling Point | 210-439 | Specific Gravity (H ₂ O = 1) @ 75°F | 0.950 |
| Vapor Pressure (mm Hg.) | water | Melting Point | 10°F |
| Vapor Density (AIR = 1) | water | Evaporation Rate (Butyl Acetate = 1) | water |

Solubility in Water

Complete

Appearance and Odor

Clear, Reddish brown liquid, Mild hydrocarbon odor.

Section IV—Fire and Explosion Hazard Data

| | | | |
|---------------------------------------|------------------|-------------|-------------|
| Flash Point (Method Used) TCC 151° | Flammable Limits | LEL 0.8% | UEL 7.0% |
|---------------------------------------|------------------|-------------|-------------|

Extinguishing Media

Dry chemical, CO₂, standard foam, water spray, water fog.

Special Fire Fighting Procedures

Hear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece

operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Incomplete combustion will generate carbon monoxide and other toxic vapors. Can react with oxidizing materials.



**GARDEN GROVE FIRE DEPARTMENT
ENVIRONMENTAL PROTECTION SECTION**

11301 Acacia Parkway
Garden Grove, CA 92840
Business: 714 741-5600 Haz Mat: 714 741-5636

**Hazardous Materials Business Emergency Plan And
Inventory Certification Statement**

Business Name: KIMS AUTO SERVICE
Site Address: 8971 CHAPMAN AVE

Telephone: 714 530 6712
Zip Code: 92841

The California Health & Safety Code, Division 20, Chapter 6.95, Section 25505(c) and Section 25503.3(c) provide the following:

A business that handles hazardous materials shall review AND certify their Hazardous Materials Business Emergency Plan (HMBEP) once every three years from the date of acceptance by the Garden Grove Fire Department. A business may comply with the annual chemical inventory reporting requirement by submitting a certification statement to the Garden Grove Fire Department. **A business may not utilize this certification to meet the annual inventory submission requirements of the Emergency Planning and Community Right to Know Act (Section 11022, Title 42, United States Code).**

Note: A business may comply with the annual inventory reporting requirements using this certification statement if both of the following apply:

1. The business has previously filed an inventory reporting form and;
2. The business attests to the following:
 - The information contained in the annual inventory form most recently submitted to the Garden Grove Fire Department is complete, accurate, and up to date.
 - There has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory form.
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THIS IS TO CERTIFY THAT THE HMBEP AND/OR CHEMICAL INVENTORY HAS BEEN REVIEWED.
(Please check applicable boxes.)

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Print Name Kwang - Kim

Signature [Signature]

Job Title owner

Date 4/8/08



Hazardous Material Disclosure

Business Information / Chemical Inventory / Business Emergency Plan



GARDEN GROVE FIRE DEPARTMENT
 11301 Acacia parkway
 Garden Grove, CA 92840
 Bus. (714) 741-5600 Fax (714) 741-5640
 Hazardous Materials Coordinator
 (714) 741-5636

Address: 8971 CHAPMAN AVE
 Occupant or DBA: KIMS AUTO SERVICE
 Owner/Manager: KIMMY - KIM

Date: 4/8/08
 File No: 98
 Phone: 714 530 6712

California Health and Safety Code, Section 6.95, you are required to properly complete the Business Emergency Plan (BMP) packet. You are required to return the BEP packet, Hazardous Materials Disclosure Forms, and all material safety data sheets within fifteen (15) days to the Garden Grove Fire Department. HazMat Coord. (714) 741-5636

An inspection at the above location/occupancy revealed the following violation(s):

Violation(s): CA Health and Safety Code Chapter 6.95, Article 1 and Title 19, §2729 et seq., California Code of Regulations (CCR)

- Complete Hazardous Materials Disclosure packet, HSC Chapter 6.95, Title 19 Div 2 Chapter 3, CFC 8001.3.2
- Failure to submit a Business Emergency Plan. [HSC 25505(a)(1)]; CFC 8001.3.2
- Failure to review and/or revise the Business Emergency Plan as required [HSC 25505(b)&(c)]
- Chemical inventory is incomplete and/or requires update. [HSC 25509]
- The Emergency Response Plan is inadequate and/or does not address the following issues and shall be immediately revised and resubmitted:
 - Notification Procedures
 - Mitigation Procedures
 - Evacuation Procedures
 - Employee Training
- Business Owner/Operator page is incomplete or needs to be updated. [HSC 25509]
- Failure to provide name, title, and 24-hour number of emergency contact(s). [HSC 25509(a)(7)]
- Site Map is incomplete or insufficient. [HSC 25509]
- Failure to report a release or threatened release. [HSC 25507]
- Failure to report a change in business or chemical inventory within 30 days of the following event(s): [HSC 25510]
 - 100% or more increase in the quantity of a disclosed material
 - Addition of a previously undisclosed material
 - Change in business address
 - Change in business ownership
 - Change of business name
 - Other (See comments below):

Violation(s): California Fire Code 2001, Articles 79 & 80, Title 19 Part 9, California Code of Regulations (CCR)

- Provide for secondary containment for hazardous materials liquids and solids (CFC 8003.1.3.3)
- Provide spill control for hazardous materials liquids (CFC 8003.1.3.2)
- Provide approved cabinet if more than 10 gallons of flammable liquids (CFC 7902.5)
- Provide placarding and signs (NFPA 704, CFC Article 79 §7901.9, Article 80 §8001.7-8)
- No Violations Found**

Additional Violations and/or Notes:

Responsible Party: [Signature] Re-inspection Date: 4

The above are violations of California law and require immediate correction. Failure to correct violations is subject to civil penalties.

Fire Dept. Inspector: P. MACIAS ID #: _____

Condition Upon Re-inspection: _____ Date: _____



GARDEN GROVE FIRE DEPARTMENT
 ENVIRONMENTAL PROTECTION SECTION
 11301 Acacia Parkway
 Garden Grove, CA 92840
 Business: 714 741-5600 Haz Mat: 714 741-5636

**Hazardous Materials Business Emergency Plan And
 Inventory Certification Statement**

Business Name: KIM'S AUTO SERVICE
 Site Address: 8971 CHAPMAN AVE

Telephone: 714-530-6712
 Zip Code: 92841

The California Health & Safety Code, Division 20, Chapter 6.95, Section 25505(c) and Section 25503.3(c) provide the following:

A business that handles hazardous materials shall review AND certify their Hazardous Materials Business Emergency Plan (HMBEP) once every three years from the date of acceptance by the Garden Grove Fire Department. A business may comply with the annual chemical inventory reporting requirement by submitting a certification statement to the Garden Grove Fire Department. **A business may not utilize this certification to meet the annual inventory submission requirements of the Emergency Planning and Community Right to Know Act (Section 11022, Title 42, United States Code).**

Note: A business may comply with the annual inventory reporting requirements using this certification statement if both of the following apply:

1. The business has previously filed an inventory reporting form and;
2. The business attests to the following:
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Print Name Kyoung K - Kim
 Job Title OWNER

Signature [Signature]
 Date 12/14-05



**GARDEN GROVE FIRE DEPARTMENT
ENVIRONMENTAL PROTECTION SECTION**

11301 Acacia Parkway
Garden Grove, CA 92840
Business: 714 741-5600 Haz Mat: 714 741-5636

**Hazardous Materials Business Emergency Plan And
Inventory Certification Statement**

Business Name: KIM'S AUTO SERVICE Telephone: 714) 530-6712
Site Address: 8971 Chapman Ave Garden Grove Zip Code: 92841

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Print Name Kim K - Kim

Signature Kim

Job Title operator/owner

Date 3/02-01



GARDEN GROVE FIRE DEPARTMENT
ENVIRONMENTAL PROTECTION SECTION

11301 Acacia Parkway
Garden Grove, CA 92840

Business: 714 741-5600 Haz Mat: 714 741-5636

Hazardous Materials Business Emergency Plan And
Inventory Certification Statement

Business Name: Kim's AUTO SERVICE Telephone: 714) 530-6712
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Print Name Kwang K - Kim Signature Kwang
Job Title OWNER Date 5/05-00