

AMOCO OIL CO. -- AMOCO SILVER MID-GRADE LEAD-FREE GASOLINE ( -- 9130-01-272-0983

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Product Identification  
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Product ID:AMOCO SILVER MID-GRADE LEAD-FREE GASOLINE (

MSDS Date:06/06/1989

FSC:9130

NIIN:01-272-0983

MSDS Number: BKSXY

=== Responsible Party ===

Company Name:AMOCO OIL CO.

Address:200 E. RANDOLPH DRIVE

City:CHICAGO

State:IL

ZIP:60601

Country:US

Info Phone Num:312-856-3907

Emergenc

y Phone Num:800-447-8735

Preparer's Name:GERALD I. BRESNICK

CAGE:2V812

=== Contractor Identification ===

Company Name:AMOCO OIL CO

Address:200 E RANDOLPH DR

Box:City:CHICAGO

State:IL

ZIP:60601-6401

Country:US

Phone:312-856-3907- EM HLTH: 800 447-8735

CAGE:15958

Company Name:AMOCO OIL CO

Address:2211 YORK RD SUITE 400

Box:3488

City:HINSDALE

State:IL

ZIP:60522-3488

Country:US

Phone:800-652-6626

CAGE:2V812

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Composition/Information on Ingredients  
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Ingred Name:BUTANE

CAS

:106-97-8  
RTECS #:EJ4200000  
OSHA PEL:800 PPM  
ACGIH TLV:800 PPM; 9192

Ingred Name:ETHYL ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192

Ingred Name:N-HEPTANE  
CAS:142-82-5  
RTECS #:MI7700000  
OSHA PEL:500 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:METAL DEACTIVATOR (1-3 LBS/1000 BBLs)  
Fraction by Wt: ABOVE  
Other REC Limits:NONE SPECIFIED

Ingred Name:PENTANE  
CAS:109-66-0  
RTECS #:RZ9450000  
OSHA PEL:1000 PPM/750  
STEL  
ACGIH TLV:600 PPM/750STEL;9293

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TRIMETHYL BENZENE (SARA III)  
CAS:25551-13-7  
RTECS #:DC3220000  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM; 9192

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Nam

e:BENZENE (SARA III)  
CAS:71-43-2  
RTECS #:CY1400000  
OSHA PEL:1PPM/5STEL;1910.1028  
ACGIH TLV:10 PPM; A2; 9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:ETHYL BENZENE (SARA III)  
CAS:100-41-4  
RTECS #:DA0700000  
OSHA PEL:100 PPM/125 STEL  
ACGIH TLV:100 PPM/125STEL 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)  
CAS:1634-04-4  
RTECS #:KN5250000  
Other REC Limits:NONE SPECIFIED  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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Hazards Ident  
ification =====

LD50 LC50 Mixture:ORAL LD50 = 18,800 MG/KG (RAT)  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO  
EYES,SKIN,RESPIRATORY TRACT AND DEPRESSES THE CENTRAL NERVOUS  
SYSTEM. CHRONIC OVER EXPOSURE MAY CAUSE LIVER,KIDNEY, OR CENTRAL  
NERVOUS SYSTEM DAMAGE.

Explanation of Carcinogenicity:CONTAINS BENZENE;LISTED BY ALL THREE.  
ALSO,AN A S  
TUDY FOUND LIVER CANCER IN MICE EXPOSED TO GASOLINE  
VAPORS.

Effects of Overexposure:EYE/SKIN CONTACT:TRANSITORY  
IRRITATION.INHALED:RESPIRATORY IRRITATION,CENTRAL NERVOUS SYSTEM  
DEPRESSION INCLUDING  
EUPHORIA,HEADACHE,DIZZINESS,DROWSINESS,FATIGUE,TREMORS,CONVULSIONS,  
NAUSEA,VOMITING,DIA RRHEA,LOSS OF CONSCIOUSNESS AND FINALLYDEATH.  
INGESTED:G/I IRRITATION,PLUS SYMPTOMS SIMILAR TO THOSE UNDER  
"INHALED".

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE,SKIN CONDITIONS

===== First Aid Measures =====

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:WASH WI SOAP & WATER.  
 REMOVE CONTAMINATED CLOTHING;LAUNDRER BEFORE REUSE.INHALED:REMOVE TO  
 FRESH AIR.RESUSCITATE OR GIVE OXYGEN AS NEEDED. GET MEDICAL  
 CARE.INGESTED:GE T IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE  
 VOMITING.IF VOMITING OCCURS, MINIMIZE ASPIRATION HAZARD.

===== Fire Fighting Measures =====

Flash Point:-45F,-43C

Lowe

r Limits:1.3

Upper Limits:7.6

Extinguishing Media:DRY CHEMICAL,CARBON DIOXIDE,FOAM,WATER FOG. WATER  
 MAY BE INEFFECTIVE,AS PRODUCT WILL FLOAT AND MAY SPREAD FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS IN  
 ENCLOSED AREAS. WATER SPRAY MAY BE USED TO COOL FIRE EXPOSED  
 CONTAINERS.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR,ACCUMULATING  
 LOW AREAS,TRAVELING ALONG GROUND AND MAY FLASH BACK FROM DISTANT  
 IGNITION SOURCE.

===== Acc  
 idental Release Measures =====

Spill Release Procedures:ELIMINATE IGNITION SOURCES. ISOLATE AREA. USE  
 PROTECTIVE EQUIPMENT AS NECESSARY. STOP LEAK AND CONTAIN SPILL.  
 DIKE AS NEEDED TO KEEP SPILL FROM DRAINS,WATER WAYS ETC. WATER FOR  
 MAY BE USED TO REDUCE V APORS & PERSONAL HAZARD.REPORT SPILL PER  
 LAW.

Neutralizing Agent:NONE

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL,DRY,ISOLATED WELL

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ENTILATED AREA. KEEP IGNITION SOURCES AWAY. GROUND CONTAINERS TO  
 PREVENT STATIC DISCHARGE DURING TRANSFERS.

Other Precautions:FIRE AND EXPLOSION ARE THE ACUTE HAZARDS OF THIS  
 PRODUCT.TAKE EXTRAORINARY STEPS TO PREVENT THEM.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF NEEDED,USE NIOSH/MSHA RESPIRATOR WITH ORGANIC  
 VAPO CARTRIDGE OR PREFERRABLY,A POSITIVE PRESSURE AIR SUPPLIED  
 RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS.

Venti

ation:USE EXPLOSION PROOF VENTILATION EQUIPMENT TO MAINTAIN EXPOSURE BELOW PEL/TLV.

Protective Gloves:IMPERVIOUS RUBBER OR POLYMER.

Eye Protection:SAFETY GLASSES,OR SPLASH GOGGLES.

Other Protective Equipment:SAFETY SHOWER/EYE WASH. WORK CLOTHING AS NEEDED T PROTECT FROM PROLONGED/REPEATED CONTACT.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSAR CONTACT. MINIMIZE ALL CONTACT.

Supplemental Safety and Health

===== Physical/Chemical Properties

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HCC:F2

Boiling Pt:B.P. Text:80.0F,26.7C

Vapor Density:3.5 (AIR)

Spec Gravity:0.72-0.76

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR,COLORLESS TO STRAW YELLOW LIQUID;GASOLINE ODOR.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS.

Stability Condition to Avoid:HEAT,SPARKS AND OTHER IGNITION

SOURCES,VAPOR ACCUMULATIONS.

Hazardous Decomposition Pr

oducts:CARBON DIOXIDE,CARBON MONOXIDE, AND

OTHER HARMFUL PRODUCTS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS. PRODUCT QUALIFY'S AS IGNITABLE WASTE AND CANNOT BE LANDFILLED. IF RECOVERY OR RECYCLE ARE UNACCEPTABLE, INCINERATION MAY BE ACCEPTABLE DISPOSAL METHOD.

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