

AMOCO OIL COMPANY -- AMOCO REGULAR LEAD-FREE GASOLINE -- 9130-01-208-4172

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MSDS Safety Information
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FSC: 9130
NIIN: 01-208-4172
MSDS Date: 09/24/1993
MSDS Num: BVHJH
Tech Review: 10/20/1994
Product ID: AMOCO REGULAR LEAD-FREE GASOLINE
Responsible Party
Cage: 15958
Name: AMOCO OIL COMPANY
Address: 200 EAST RANDOLPH DRIVE
City: CHICAGO IL 60601 US
Info Phone Number: 312-856-3907
Emergency Phone Number: 800-447-8735 (HEALTH)
Preparer's Name: DONALD M. BARKER, DIR

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Preparer Co. when other than Responsible Party Co.
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Cage: 15958
Assigned Ind: N
Name: AMOCO OIL CO
Address: 200 E RANDOLPH DR
City: CHICAGO IL 60601-6401

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Contractor Summary
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Cage: 15958
Name: AMOCO OIL CO
Address: 200 E RANDOLPH DR
City: CHICAGO IL 60601-6401 US
Phone: 312-856-3907- EM HLTH: 800 447-8735

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Item Description Information
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Item Name: GASOLINE, UNLEADED
Specification Number: VV-G-1690
Type/Grade/Class: CIVGAS
Unit of Issue: DR
Quantitative Expression: 00000000055GL
UI Container Qty: 0
Type of Container: DRUM, 18 GAGE

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Ingredients
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Cas: 8006-61-9
RTECS #: LX3300000
Name: GASOLINE
% by Wt: N/GIVEN
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM/500STEL;9394
Ozone Depleting Chemical: N

Cas: 71-43-2
RTECS #: CY1400000
Name: BENZENE (SARA III)
% by Wt: 4

Other REC Limits: NONE RECOMMENDED
OSHA PEL: SEE 1910.1028
ACGIH TLV: 10 PPM; A2; 9394
EPA Rpt Qty: 10 LBS
DOT Rpt Qty: 10 LBS
Ozone Depleting Chemical: N

Cas: 100-41-4
RTECS #: DA0700000
Name: ETHYL BENZENE (SARA III)
% by Wt: 2
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM/125STEL;9394
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: N

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA III)
% by Wt: 22
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 200 PPM; Z-2
ACGIH TLV: S, 50 PPM; 9394
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: N

Cas: 110-82-7
RTECS #: GU6300000
Name: CYCLOHEXANE (SARA III)
% by Wt: 5
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM, 9394
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: N

Cas: 1330-20-7
RTECS #: ZE2100000
Name: XYLENES (O-,M-,P- ISOMERS) (SARA III)
% by Wt: 10
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM/150STEL;9394
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: N

Cas: 1634-04-4
RTECS #: KN5250000
Name: METHYL TERT-BUTYL ETHER (SARA III)
% by Wt: 15
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

Ozone Depleting Chemical: N

 Cas: 106-97-8
 RTECS #: EJ4200000
 Name: BUTANE
 % by Wt: N/GIVEN
 Other REC Limits: NONE RECOMMENDED
 OSHA PEL: 800 PPM
 ACGIH TLV: 800 PPM; 9394
 Ozone Depleting Chemical: N

 Cas: 142-82-5
 RTECS #: MI7700000
 Name: N-HEPTANE
 % by Wt: N/GIVEN
 Other REC Limits: NONE RECOMMENDED
 OSHA PEL: 500 PPM
 ACGIH TLV: 400 PPM/500STEL;9394
 Ozone Depleting Chemical: N

 Cas: 110-54-3
 RTECS #: MN9275000
 Name: HEXANE (N-HEXANE)
 % by Wt: N/GIVEN
 Other REC Limits: NONE RECOMMENDED
 OSHA PEL: 500 PPM
 ACGIH TLV: 50 PPM; 9394
 EPA Rpt Qty: 1 LB
 DOT Rpt Qty: 1 LB
 Ozone Depleting Chemical: N

 Cas: 109-66-0
 RTECS #: RZ9450000
 Name: PENTANE
 % by Wt: N/GIVEN
 Other REC Limits: NONE RECOMMENDED
 OSHA PEL: 1000 PPM
 ACGIH TLV: 600 PPM/750STEL;9394
 Ozone Depleting Chemical: N

 Cas: 25551-13-7
 RTECS #: DC3220000
 Name: TRIMETHYL BENZENE (SARA III)
 % by Wt: N/GIVEN
 Other REC Limits: NONE RECOMMENDED
 OSHA PEL: 25 PPM
 ACGIH TLV: 25 PPM; 9394
 Ozone Depleting Chemical: N

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 Health Hazards Data

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 LD50 LC50 Mixture: LD50 (ORAL, RATS) = 18.8ML/KG.
 Route Of Entry Inds - Inhalation: YES
 Skin: YES
 Ingestion: NO
 Carcinogenicity Inds - NTP: YES
 IARC: YES
 OSHA: YES
 Effects of Exposure: EYE:HIGH CONCEN OF VAP/MIST MAY CAUSE DISCOMFORT.
 SKIN:PRLONG/REPEAT CONTACT CAN DEFAT & LEAD TO IRRIT &/OR DERM.

INHAL:VAPOUR HARMFUL. HIGH VAP CONCEN CAN CAUSE HEADACHES, DIZZINESS, DROWSINESS, NAUS EA. INGEST:LOW VISCOSITY PRODUCT. HARMFUL/FATAL IF ASPIRATED INTO LUNGS CAUSING CHEM PNEUMONIA/FATAL.

Explanation Of Carcinogenicity: CONTAINS BENZENE WHICH IS KNOWN TO CAUSE CANCER.

Signs And Symptions Of Overexposure: MAY PRODUCE HEADACHES, DIZZ, NAU, DROWSINESS, IRRIT OF EYE/NOSE/THROAT/CNS DEPRESSION.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MFG.

First Aid: EYE:FLUSH W/PLENTY OF WATER. GET MED ATTN IF IRRIT PERSISTS. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMIN CLOTHING/SHOES. GET MED ATTN IF IRRIT DEVELOPS. INHAL:REMOVE TO UNCONTAMINATED AREA. GIVE ARTIFIC IAL RESP IF NOT BREATHING. GET MED ATTN. INGEST:DO NOT INDUCE VOMIT. GET IMMED MED ATTN.

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Handling and Disposal
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Spill Release Procedures: REMOVE/SHUT OFF ALL IGN SOURCES.USE WATER SPRAY TO DISPERSE VAP.INCREASE VENTILATION IF POSSIBLE.CONTAIN ON ABSORBENT MATL(SAND/SAWDUST/DIRT/CLAY).KEEP OUT OF SEWERS & WATERWAYS.REPORT SPILLS TO APPRO PRIATE AUTHORITIES.

Neutralizing Agent: NONE SPECIFIED BY MFG.

Waste Disposal Methods: RESIDUES/SPILLED MATL ARE HAZ WASTE DUE TO IGNITABILITY. DISPOSAL MUST BE IAW APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. ENCLOSED-CONTROLLED INCINERATION IS RECOMMENDED UNLESS DIRECTED OTHERWISE BY APPLICABLE ORDINANCES.

Handling And Storage Precautions: STORE IN FLAMM LIQ STORAGE AREA. KEEP CNTNR CLOSED. STORE AWAY FROM HEAT/ING SOURCES/OPEN FLAME IAW APPLICABLE FED/STATE/LOC REGS.

Other Precautions: KEEP AWAY FROM IGNITION SOURCES. KEEP CONTAINER CLOSED. USE W/ADEQUATE VENTILATION. ABOID BREATHING VAPOR &/OR MIST. USE AS MOTOR FUEL ONLY. AVOID STRONG OXIDIZERS.

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Fire and Explosion Hazard Information
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Flash Point Text: -45F,-43C

Autoignition Temp Text: 495F

Lower Limits: 1.3

Upper Limits: 7.6

Extinguishing Media: AGENTS APPROVED FOR CLASS B HAZARDS (E.G. DRY CHEMICAL, CARBON DIOXIDE, HALOGENATED AGENTS, FOAM, STEAM) OR WATER FOG.

Fire Fighting Procedures: NONE SPECIFIED BY MFG. HOWEVER WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE EQPMT IF SITUATION WARRENTS.

Unusual Fire/Explosion Hazard: EXTREMELY FLAMM VAP/AIR MIXTURES FORM. EXTINGUISHMENT OF FIRE BEFORE SURCE OF VAP IS SHUT OFF CAN CREATE AN EXPLOSIVE MIXTURE IN AIR.

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Control Measures
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Respiratory Protection: IF VENTILATION IS INADEQUATE USE NIOSH/MSHA CERTIFIED RESP WHICH WILL PROTECT AGAINST ORGANIC VAP/MIST.

Ventilation: USE WITH ADEQUATE VENTILATION.

Protective Gloves: RECOMMENDED-PVC.

Eye Protection: RECOMMENDED-SAFETY GLASSES/GOGGLES.

Other Protective Equipment: WEAR PROTECTIVE CLOTHING IF PRLONGED/REPEATED CONTACT IS LIKELY.

Work Hygienic Practices: THOROUGHLY CLEAN/DRY CONTAMIN CLOTHING BEFORE REUSE. WASH HANDS AFTER HANDLING & BEFORE EAT/SMOKE/DRINK.

Supplemental Safety and Health: LONG-TERM INHAL STUDY OF WHOLE UNLEADED GASOLINE VAP EXPOSURE-RELATED KIDNEY DAMAGE/TUMORS WERE OBSERVED IN MALE

RATS & NOT SEEN IN FEMALES.CHRONIC EXPOSURE TO BENZENE CAUSES LEUKEMIA
IN HUMAND & OTHE R ADVERSE BLOOD EFFECTS (ANEMIA).

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Physical/Chemical Properties
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HCC: F2
B.P. Text: 80.0F,26.7C
Vapor Pres: 7-15LBS
Vapor Density: 3-4
Spec Gravity: 0.75
Solubility in Water: NEGLIGIBLE,
Appearance and Odor: CLEAR, BRIGHT LIQUID, CHARACTERISTIC ODOR.

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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: BURNING CAN BE STARTED EASILY. KEEP AWAY
FROM IGNITION SOURCES (D.G. HEAT/SPARKS/OPEN FLAMES).
Materials To Avoid: AVOID CHLORINE, FLUORINE AND OTHER STRONG OXIDIZERS.
Hazardous Decomposition Products: BURNING CAN PRODUCE CARBON MONOXIDE &/OR
CARBON DIOXIDE AND OTHER HARMFUL PRODUCTS.
Conditions To Avoid Polymerization: NONE SPECIFIED BY MFG.

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Toxicological Information
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 15958
Trans ID NO: 115262
Product ID: AMOCO REGULAR LEAD-FREE GASOLINE
MSDS Prepared Date: 09/24/1993
Review Date: 10/20/1994
Article W/O MSDS: N
Net Unit Weight: 343.5 LBS
Multiple KIT Number: 0
Unit Of Issue: DR
Container QTY: 0
Type Of Container: DRUM, 18 GAGE
Additional Data: PER MSDS:DOT SHIPPING DESCRIPTION:GASOLINE, 3, UN1203,
II.

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Detail DOT Information
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DOT PSN Code: GTN
DOT Proper Shipping Name: GASOLINE
Hazard Class: 3
UN ID Num: UN1203

DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: B33,B101,T8
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: E

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Detail IMO Information
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IMO PSN Code: HRV
IMO Proper Shipping Name: GASOLINE
IMDG Page Number: 3141
UN Number: 1203
UN Hazard Class: 3.1
IMO Packaging Group: II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: 311

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Detail IATA Information
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IATA UN ID Num: 1203
IATA Proper Shipping Name: GASOLINE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307
Exceptions: A100

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Detail AFI Information
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AFI Proper Shipping Name: GASOLINE
AFI Hazard Class: 3
AFI UN ID NUM: UN1203
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

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HAZCOM Label
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Product ID: AMOCO REGULAR LEAD-FREE GASOLINE
Cage: 15958
Company Name: AMOCO OIL CO
Street: 200 E RANDOLPH DR
City: CHICAGO IL
Zipcode: 60601-6401 US
Health Emergency Phone: 800-447-8735 (HEALTH)
Date Of Label Review: 10/20/1994
Label Date: 10/20/1994
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: EYE:HIGH CONCEN OF VAP/MIST MAY CAUSE DISCOMFORT.

SKIN:PROLONG/REPEAT CONTACT CAN DEFAT & LEAD TO IRRIT &/OR DERM.

INHAL:VAPOUR HARMFUL. HIGH VAP CONCEN CAN CAUSE HEADACHES, DIZZINESS,
DROWSINESS, NAU SEA. INGEST:LOW VISCOSITY PRODUCT. HARMFUL/FATAL IF

ASPIRATED INTO LUNGS CAUSING CHEM PNEUMONIA/FATAL. 1ST AID:EYE:FLUSH

W/PLENTY OF WATER.IRRIT PERSISTS GET MED ATTN.SKIN:WASH W/SOAP &

WATER.REMOVE CO NTAMIN CLOTH/SHOES.IRRIT DEVELOPS GET MED

ATTN.INHAL:REMOVE TO UNCONTAMIN AREA.GIVE ARTIFICIAL RESP IF NOT

BREATHING.GET MED ATTN.INGEST:DO NOT INDUCE VOMIT.GET IMMED MED ATTN.

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