

MSDS - Material Safety Data Sheet

Product Name: REGULAR GASOLINE (UNLEADED)

MSDS No.: SER17

I. Basic Information:

Manufacturer: Silver Eagle Refining, Woods Cross Inc.

Address: P.O. Box 870298, 2355 South 1100 West

City, ST Zip: Woods Cross, UT 84087

Emergency Contact: CHEMTREC

Emergency Telephone Number: 800-424-9300

Contact: Scott Colton

Information Telephone Number: 801-550-1667

Last Update: 09/10/2008

Expiration Date:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



| | |
|---|------------------|
| 2 | Health |
| 3 | Flammability |
| 0 | Reactivity |
| X | Pers. Protection |

II. Ingredients:

Trade Secret

| CAS No. | Chemical Name | % Range | EHS | | IARC | | SARA | | OSHA PEL | ACGIH TLV | Other Limits |
|---------|---------------------------------|-----------|-----|---|-------|-----|------|----------|----------|-----------|--------------|
| | | | NTP | | SUB Z | 313 | | | | | |
| 95636 | 1,2,4-Trimethylbenzene | 0 - 4.99 | | | | | X | | | 25 ppm | |
| 71432 | Benzene | 0 - 4.99 | X | X | X | X | X | 5 ppm | 0.5 ppm | IDLH=50 | |
| 110827 | Cyclohexane | 0 - 1.99 | | | | X | X | 300 ppm | 100 ppm | IDLH = 1 | |
| 64175 | Ethanol | 0 - 9.99 | | | | X | | 1000 ppm | | IDLH= 30 | |
| 100414 | Ethylbenzene | 0 - 2.99 | | | | | X | 100 ppm | 125 ppm | IDLH = 8 | |
| 110543 | Hexane | 0 - 3.99 | | | | X | X | 500 ppm | 50 ppm | 1100 PPI | |
| 91203 | Naphthalene | 0 - .99 | | X | X | X | X | 10 ppm | 10 ppm | | |
| 8002059 | Petroleum Distillates (Naphtha) | 90 - 100 | | | | X | | 400 ppm | | IDLH = 1 | |
| 108883 | Toluene | 0 - 24.99 | | | | | X | 200 ppm | 50 ppm | 500 ppm | |
| 1330207 | Xylenes | 0 - 24.99 | | | | X | X | 100 ppm | 150 ppm | IDLH 900 | |

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

EMERGENCY OVERVIEW: Warning! Flammable. Harmful or fatal if swallowed and/or aspirated into the lungs. Can cause skin irritation upon prolonged or repeated contact. This material contains benzene, which is a cancer hazard and ethylbenzene which is possibly carcinogenic to humans.

EYE CONTACT: May cause severe eye irritation, redness, tearing, or blurred vision.

SKIN CONTACT: Repeated or prolonged contact may cause moderate irritation, defatting, or dermatitis.

INHALATION: Excessive inhalation of vapors may cause respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness and even asphyxiation.

INGESTION: Irritation of mucous membranes of throat, esophagus, and stomach may result in nausea and vomiting.

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IV. First Aid Measures:

Route(s) of Entry:

Eyes, skin, and respiratory system.

Health Hazards (Acute and Chronic):

Contains benzene which is a known cancer hazard and ethylbenzene which is possibly carcinogenic to humans.

Signs and Symptoms:

Irritation of the eyes and/or redness of the skin, weakness, nausea, and vomiting.

Medical Conditions Generally Aggravated by Exposure:

Respiratory related problems

Emergency and First Aid Procedures:

EYES: Flush eyes with large amounts of water while holding the eyelids open for at least 15 minutes. Get medical attention if irritation persist.

SKIN: Wash skin immediately with soap and water and remove contaminated clothing and shoes. Get medical attention if irritation persist. Discard contaminated clothing and shoes or thoroughly clean before reuse.

INHALATION: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms continue.

INGESTION: If swallowed, DO NOT INDUCE VOMITING. Give the person a glass of water or glass of milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: < 35 F

Lower Explosive Limit: 1.4%

Upper Explosive Limit: 7.6%

F.P. Method:

Fire Extinguishing Media: EXTINGUISHING MEDIA: Dry chemical, foam, or CO2. Water may be ineffective on burning product and may enlarge fire area.

Special Fire Fighting Procedures:

EXTINGUISHING MEDIA: Dry chemical, foam, or CO2. Water may be ineffective on burning product and may enlarge fire area.

Unusual Fire and Explosion:

Keep away from ignition sources (e.g., heat and open flames). Keep container closed. Use with adequate ventilation.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

For spills and leaks, remove or shut off all sources of ignition. Prevent spreading by diking, ditching or absorbing on inert materials. Increase ventilation, if possible. Keep out of sewers and waterways.

VII. Handling and Storage:

Precautions to be Taken:

Store in flammable liquids area. Store away from heat, ignition sources, and open flame in accordance with applicable federal, state, or local regulations.

Other Precautions:

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VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Provide sufficient ventilation to maintain exposure below the Threshold Limit Value.

Personal Protective Equipment:

EYE: Use of eye protection is a good industrial practice, i.e. safety glasses or chemical splash goggles. Consult your safety department.

SKIN: Wear protective gloves such as neoprene. To prevent prolonged or repeated contact, wear impervious clothing and boots.

INHALATION: Avoid breathing vapor and/or mist. Provide sufficient ventilation to maintain exposure below TLV. If ventilation is inadequate, use recommended NIOSH/MSHA respirator which will protect against organic vapor/mist. If operating conditions cause high vapor concentrations or if exposure limits are exceeded use supplied-air respirator approved by NIOSH/MSHA.

INGESTION: Use good personal hygiene practices, wash thoroughly with soap and water after using this material before eating or smoking. Aspiration of this product into the lungs can cause chemical pneumonia and can be fatal. Aspiration into the lungs can occur while vomiting after ingestion of this product. Do not siphon by mouth.

IX. Physical and Chemical Properties:

Boiling Point: 80 - 400 F @ 760 mm HG

Melting Point:

Evaporation Rate (Butyl Acetate = 1):

Vapor Pressure (mm Hg.): 7.5 - 15 psig @ 100

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1):

Solubility In Water: Negligible

Appearance and Odor:

Other Information: Specific Gravity of 0.72 to 0.77 (H2O = 1)

X. Stability and Reactivity:

Stability:

Under normal conditions this material is stable.

Incompatibility (Materials to Avoid):

Avoid strong oxidizers.

Decomposition/By Products:

Burning can produce carbon monoxide and carbon dioxide.

Hazardous Polymerization:

Not expected to occur.

XI. Toxicological Information:

EYE: Primary eye irritation scores for similar material have ranged from 0.0 to 110.0 (rabbits).

SKIN: Primary dermal irritation score 1.1/8.0 rabbits). Acute dermal LD50 greater than 5 ml/kg (rabbits).

INHALATION: Acute LC50 20.7 ml/l (rats). Excessive exposure to vapors may produce dizziness, drowsiness, headache, nausea, irritation of the eye, nose, and throat, and central nervous system depression.

INGESTION: Acute oral LD50 18.8 ml/kg (rats).

CARCINOGENIC: This material contains benzene and ethylbenzene. Benzene has been shown to cause cancer and other adverse blood effects in humans with chronic exposure to high levels of benzene. Benzene's carcinogenic ratings are; EPA - "Human Carcinogen", IARC - (Carcinogenic to Humans". Ethylbenzene has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

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XII. Ecological Information:

No ecological testing of this material has been completed.

XIII. Disposal Considerations:

It is recommended that this material be completely used for its proper, intended purpose rather than to have it become a waste. If a waste is generated from this material, it must be disposed of in accordance with applicable federal, state, or local regulations. The generator of such waste must determine the proper classification and disposal methods, but it is recommended that waste from this material be considered hazardous waste and be incinerated due to the highly flammable nature of this material and the benzene content.

XIV. Transport Information:

DOT SHIPPING NAME: Gasoline
DOT HAZARD CLASS: 3
IDENTIFICATION NUMBER: UN1203
DOT PACKING GROUP: II

This material must be packaged and shipped in accordance with all applicable DOT regulations.

XV. Regulatory Information:

SARA 313: The following chemicals have been identified in this material that exceed 1 wt% (0.1 wt% for EHS) concentration that are on the Title III Section 313 list of Toxic Chemicals; Benzene, Cyclohexane, Ethylbenzene, Hexane, Toluene, 1,2,4 Trimethylbenzene, m-Xylene, o-Xylene, and p-Xylene. Others have not been determined.

XVI. Other Information:

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all appropriate laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.