

Material Safety Data Sheet



CONOSOL C-200

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

CONOSOL C-200

MSDS Number: PEN13498

Version Date: 04/06/2001

Product Name: CONOSOL C-200

Reauthorized: 5/10/2007

Manufacturer

Penreco
PO Box 4274
Houston, TX 77210
USA

Phone Numbers

Medical Emergency: 1-800-342-5119 or 1-281-493-2767

Transport Emergency

CHEMTREC (USA): 1-800-424-9300

CHEMTREC (International): 1-703-527-3887

MSDS Assistance: 1-281-293-5550

Internet Address: www.conoco.com

2. COMPONENT INFORMATION

COMPONENT	CAS No.	Wt. %
Hydrotreated light distillate	64742-47-8	100

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE/ODOR

Clear, colorless liquid / Negligible odor

OSHA REGULATORY STATUS

This product is NOT HAZARDOUS according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

HMIS Ratings: Health 1; Flammability 1; Reactivity 0.

PRIMARY ROUTE OF EXPOSURE: Skin, inhalation

HEALTH EFFECT INFORMATION

The product may cause irritation to the eyes, nose, throat, lungs, and skin after prolonged or repeated exposure. Extreme overexposure or aspiration into the lungs may cause lung damage or death. Overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness, and other nervous system effects; greater overexposure may

cause dizziness, slurred speech, flushed face, unconsciousness, and convulsions.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection. See Section 8 for oil mist exposure limits.

CARCINOGENICITY INFORMATION:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

OTHER:

See Section 11 - Toxicological Information.

4. FIRST AID INFORMATION

EYE CONTACT:

Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If irritation persists, seek medical attention.

SKIN CONTACT:

Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. Use a hand or skin lotion to prevent dryness. If redness or irritation occurs, seek medical attention.

INHALATION:

If victim exhibits signs of vapor intoxication, remove to fresh air. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.

INGESTION:

Do not induce vomiting due to aspiration hazard. If vomiting occurs lower head below knees to avoid aspiration. Seek immediate medical attention.

5. FIRE AND EXPLOSION INFORMATION

FLAMMABLE PROPERTIES

Flash Point: >200 F (93.3 C)

Test Method: ASTM D-93 (PMCC)

Flammable Limits in Air

Upper Percent: 6.0%

Lower Percent: 1.0%

Autoignition Temperature: No data available

NFPA Ratings: Health 0; Flammability 1; Instability 0.

EXTINGUISHING MEDIA:

Use dry chemical, foam, or carbon dioxide.

FIRE FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES AND EQUIPMENT:

Water may be ineffective but can be used to cool containers exposed to heat or flame.

UNUSUAL FIRE AND EXPLOSION CONDITIONS:

Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

6. ACCIDENTAL RELEASE MEASURES**PERSONNEL SAFEGUARDS:**

Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10. Remove all sources of ignition. Provide adequate ventilation during clean up.

REGULATORY NOTIFICATIONS:

Notify appropriate authorities of spill.

CONTAINMENT AND CLEAN UP:

Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with solvent absorbent material. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

7. HANDLING AND STORAGE INFORMATION**HANDLING:**

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash clothing prior to reuse. May be slippery when spilled.

Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106--Flammable and Combustible Liquids.

STORAGE:

Do not transfer to unmarked containers. Store in cool, well-ventilated area in closed containers away from heat, sparks, open flame, or oxidizing materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION**EXPOSURE LIMITS**

This product does not contain any components with specific OSHA or ACGIH exposure limits. If oil mist is generated, exposure limits apply.

Oil Mist	OSHA PEL:	TWA 5 mg/m ³
	ACGIH TLV:	TWA 5 mg/m ³ ; STEL 10 mg/m ³

PERSONAL PROTECTIVE EQUIPMENT**EYE/FACE PROTECTION:**

Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

SKIN PROTECTION:

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious synthetic rubber clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. (Nitrile recommended.) Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

RESPIRATORY PROTECTION:

Select appropriate NIOSH-approved respiratory protection for organic vapors where necessary to maintain exposures below the exposure limits.

PERSONAL HYGIENE:

Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

ENGINEERING CONTROLS / WORK PRACTICES**VENTILATION:**

Adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid
Odor:	Negligible odor
Vapor Pressure:	<0.1 mm Hg @ 68 F
Vapor Density (air=1):	6.2
pH:	No data available
Percent Volatile by Volume:	No data available
Boiling Point:	430-550 F (221.1-287.8 C)
Volatile Organic Content:	No data available
Melting Point:	Not applicable
Molecular Weight:	No data available
Specific Gravity:	0.82-0.83
Solubility in Water:	Insoluble in water

10. STABILITY AND REACTIVITY INFORMATION

Chemical Stability: Stable.

Conditions to Avoid: Heat, sparks, flame.

Incompatible Materials to Avoid: May react with strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION**ANIMAL DATA**

Animal studies have shown that prolonged or repeated inhalation exposures to high concentrations of some petroleum distillates have caused liver tumors in mice and kidney damage and tumors in male rats. However, kidney effects were not seen in similar studies involving female rats, guinea pigs, dogs, or monkeys. Present studies indicate the kidney effects will only occur in male rats. Also, human studies do not indicate this peculiar sensitivity for kidney damage and studies reported in 1992 showed that this particular type of rat kidney damage is not useful in predicting a human health hazard. The significance of liver tumors in mice exposed to high doses of chemicals is highly speculative and probably not a good indicator for predicting a potential human carcinogenic hazard.

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL INFORMATION

REGULATORY INFORMATION:

All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

WASTE DISPOSAL METHODS:

Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

14. TRANSPORTATION INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

Highway / Rail (Non-Bulk): Not regulated
Highway / Rail (Bulk): Not regulated

INTERNATIONAL INFORMATION

Vessel (IMO): Not regulated.
Air (IATA): Not regulated.

15. REGULATORY INFORMATION

INVENTORIES:

AUSTRALIAN (AICS): Listed.
CANADIAN (DSL): Listed.
CHINESE: Listed.
EUROPEAN EC/EINECS: Listed.
JAPANESE ENCS: Listed.
KOREAN (ECL): Listed.
PHILIPPINE (PICCS): Listed.
U.S. (TSCA): Listed.

U.S. SARA SECTION 313:

This product is not known to contain any SARA, Title III, Section 313 Reportable Chemicals at or greater than 1.0% (0.1% for carcinogens).

U.S. SARA 311 / 312 CATEGORIES

Acute:
Chronic:
Fire:
Pressure:
Reactive:
Not Regulated: X

CANADIAN WHMIS CLASSIFICATION:

This is not a WHMIS Controlled Product.

16. OTHER INFORMATION

Additional Information: None available.