

Material Safety Data Sheet

PCA 2861 DEO

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POTENTIAL HEALTH EFFECTS

EYE: The eye irritation for this substance has not been determined. However, it may be slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

SKIN: The skin irritation for this substance has not been determined. However, it may be a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of the injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. The skin sensitization potential of this product has not been determined. However, it contains an ingredient which is known to be a sensitizer in animals, and therefore prolonged or repeated skin contact with this product may cause an allergic skin reaction. However, it should be practically non-toxic to internal organs if it gets on the skin.

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 person and product container to the nearest medical emergency center or hospital.

INHALATION: This material is not expected to be an immediate inhalation problem; no first aid procedures are required.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: COC 360°F (182 °C) Min.

AUTOIGNITION: NDA

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

EXTINGUISHING MEDIA: CO₂, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 2; 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, including self-contained breathing apparatus.

COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor and may produce oxides of S, N, P, B, and Mo. 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:

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 absorbing 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

DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. Replace cap or bung. CAUTION Do not use pressure to empty drum or drum may rupture with explosive force. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Emptied container still contains hazardous or explosive vapor or liquid. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Do not get this material in your eyes. Wear chemical goggles.

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SKIN PROTECTION: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including solvent resistant gloves (i.e. neoprene or butyl rubber).

RESPIRATORY PROTECTION: No special respiratory protection is normally required. If operating conditions result in airborne mists or vapors of this material, the use of an approved respirator is recommended.

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 liquid.
pH:	NA
VAPOR PRESSURE:	NA
VAPOR DENSITY (AIR=1):	NA
BOILING POINT:	NA
FREEZING POINT:	NA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents: insoluble in water.
SPECIFIC GRAVITY:	1.03 @ 15°C
DENSITY:	8.6 LB/GAL @ 60°F
VISCOSITY:	90.0 cSt @ 100°C

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: Heat may produce H₂S at temperatures above 150° F (66° C).

CHEMICAL STABILITY: Stable at temperatures below 150F (66C).

CONDITIONS TO AVOID: No data available.

INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: No product toxicology data available. The hazard evaluation was based on data on the components.

SKIN EFFECTS: No product toxicology data available. The hazard evaluation was based on data on the components.

ACUTE ORAL EFFECTS: No product toxicology data available. The hazard evaluation was based on data from similar materials.

ACUTE INHALATION EFFECTS: No product toxicology data available. The hazard evaluation was based on data from similar materials.

ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydro-cracking, or severe hydro-treating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1) , probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY: This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE: No data available.

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13. DISPOSAL CONSIDERATIONS

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact your local environmental or health authorities for approved disposal of this material.

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:	YES
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

16. OTHER INFORMATION

NFPA RATINGS: Health 2; Flammability 1; Reactivity 0; (Least-O, Slight-I, 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 is a new Material Safety Data Sheet



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.