

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code 13000

Trade Name PEPR 2400 TC THICKNESS CONTROLLER

Manufacturer/Supplier Shipley Company

Address 455 Forest St. Marlborough, Massachusetts 01752

Phone Number (508) 481-7950

Emergency Phone Number (508) 481-7950

Chemtrec # (800) 424-9300

MSDS first issued 18 October 1996

MSDS data revised

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Local Sales Company Shipley Company, 455 Forest Street, Marlboro, MA 01752 (508-481-7950)

2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Components in Product

Component Name	CAS# / Codes	Concentration
2-octanone	111-13-7	100.00

3. HAZARD IDENTIFICATION

Main Hazards - Irritant - Combustible - Skin - Eye

Routes of Entry Inhalation, ingestion, eye and skin contact, absorption.

Carcinogenic Status Not considered carcinogenic by NTP, IARC and OSHA

Target Organs - Skin - Eye

Health Effects - Eyes Liquid or vapor may cause slight transient irritation.

Health Effects - Skin Material may cause slight irritation on prolonged or repeated contact. Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

Health Effects - Ingestion Swallowing may have the following effects: - irritation of mouth, throat and digestive tract

Health Effects - Inhalation Exposure to vapor at high concentrations may have the following effects: - drowsiness - irritation of nose, throat and respiratory tract

4. FIRST AID MEASURES

First Aid - Eyes Immediately flush the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

First Aid - Skin Wash skin with water. Obtain medical attention if blistering occurs or redness persists.

First Aid - Ingestion Wash out mouth with water. Obtain medical attention.

First Aid - Inhalation Remove from exposure. If there is difficulty in breathing, give oxygen. Seek medical attention if symptoms persist.

Advice to Physicians Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media Use water spray, foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.

Special Fire-Fighting Procedures This product may give rise to hazardous vapors in a fire. Vapors can travel a considerable distance to a source of ignition and result in flashback.

Unusual Fire & Explosion Hazards Pressure may build up in closed containers with possible liberation of combustible vapors.

Protective Equipment for Fire-Fighting Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Finally flush area with plenty of water.

Personal Precautions Wear appropriate protective clothing. Wear respiratory protection. Eliminate all sources of ignition.

Environmental Precautions Prevent the material from entering drains or water courses.

7. HANDLING AND STORAGE

Handling Use local exhaust ventilation. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use.

Storage Store in original containers. Store away from sources of heat or ignition. Storage area should be: - cool - dry - well ventilated - out of direct sunlight

Other
None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

2-octanone None assigned.

Engineering Control Measures Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (local exhaust), and control of process conditions.

Respiratory Protection Respiratory protection if there is a risk of exposure to high vapor concentrations. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

Hand Protection Butyl rubber or nitrile gloves.

Eye Protection Chemical goggles.

Body Protection Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Color Natural, slightly white

Odor Fruity

VOC (g/l) 819

Specific Gravity 0.819

pH Neutral

Boiling Range/Point (°C/F) 173 / 343

Flash Point (PMCC) (°C/F) 63 / 145

Explosion Limits (%) Data not available.

Solubility in Water Insoluble.

Vapor Density (Air = 1) Heavier than air.

Evaporation Rate Slower than ether

Vapor Pressure 2-Octanone: 1.2 mmHg at 25 °C.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Conditions to Avoid - High temperatures - Static discharge

Incompatibilities - Oxidizing agents - Bases - Reducing agents

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products - carbon monoxide - Carbon Dioxide

11. TOXICOLOGICAL INFORMATION

Acute Data 2-Octanone: Oral LD50 (rat) 3824mg/kg.

Chronic/Subchronic Data This product is not expected to cause any carcinogenic effects.

Genotoxicity No adverse effects are expected.

Reproductive/Developmental Toxicity No adverse reproductive or fetal developmental effects are expected.

Additional Data None known.

12. ECOLOGICAL INFORMATION

Mobility The product is sparingly soluble in water. The product is poorly absorbed onto soils or sediments. If released to water the product will float.

Persistence/Degradability The product is expected to be readily biodegradable.

Bio-accumulation Product is not expected to bioaccumulate.

Ecotoxicity The product is expected to be no worse than practically non-toxic to aquatic species.

13. DISPOSAL CONSIDERATIONS

Product Disposal Incineration is the recommended method of disposal. Dispose of in accordance with all applicable local and national regulations.

Container Disposal Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care.

14. TRANSPORT INFORMATION

DOT Ground: Not Regulated

UN Proper Shipping Name Not Regulated

UN Class Not applicable.

UN Number Not applicable.

UN Packaging Group Not applicable.

N.O.S. 1: Data not available.

N.O.S. 2: Data not available.

Subsidiary Risks None.

ADR/RID Substance Identification Number None assigned.

CERCLA RQ None.

Marine Pollutant No.

15. REGULATORY INFORMATION

TSCA Listed Yes

WHMIS Classification D.2.B B.3

MA Right To Know Law All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at the de minimus concentration have been identified in the hazardous ingredients section of the MSDS.

California Proposition 65 This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA TITLE III-Section 311/312 Categorization (40 CFR 370) Immediate, delayed, flammability hazard

SARA TITLE III-Section 313 (40 CFR 372) This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

16. OTHER INFORMATION

NFPA Rating- FIRE 2

NFPA Rating- HEALTH 2

NFPA Rating- REACTIVITY 0

NFPA Rating- SPECIAL None.

Revisions Highlighted

Abbreviations CAS#: Chemical Abstract Services Number ACGIH: American Conference of Governmental Industrial Hygienists OSHA: Occupational Safety and Health Administration TLV: Threshold Limit Value PEL: Permissible Exposure Limit STEL: Short Term Exposure Limit NTP: National Toxicology Program IARC: International Agency for Research on Cancer R: Risk S: Safety LD50: Lethal Dose 50% LC50: Lethal Concentration 50% BOD: Biological Oxygen Demand Koc: Soil Organic Carbon Partition Coefficient. TLM: Median Tolerance Limit

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