



Polymer Concrete Products
A TRANSPRO INDUSTRIES COMPANY

Transpro Industries, Inc.

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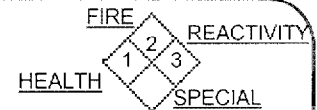
FOR CHEMICAL EMERGENCY

SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT: CALL CHEMTREC - DAY OR NIGHT

800-424-9300

HAZARD RATING

- 4 = EXTREME
- 3 = HIGH
- 2 = MODERATE
- 1 = SLIGHT
- 0 = INSIGNIFICANT
- * = CHRONIC HEALTH HAZARD - SEE SECTION 4



MATERIAL SAFETY DATA SHEET

Cumene Hydroperoxide

1. IDENTIFICATION & PHYSICAL DATA

PRODUCT NAME: Cumene Hydroperoxide

Chemical Family: Organic Peroxide

CHEMICAL NAME & SYNONYMS:

Cumene Hydroperoxide

VISCOSITY:

BOILING POINT: 306F

VAPOR DENSITY: 5.4

SOLUBILITY IN WATER: Slight

FORMULA: C9H12O2

SPECIFIC GRAVITY: 1.03

Water = 1

APPEARANCE &

ODOR: Clear, yellow liquid, sharp aromatic odor

VAPOR PRESSURE: 13.9 mm @ 20C mmHg

EVAPORATION RATE: <1.00

Butyl Acetate = 1

MELTING OR FREEZING POINT: N/E

2. HAZARDOUS INGREDIENTS

NAME	CAS#	WT. %	TWA /STEL (OSHA-ACGIH-TRANSPRO)
Cumene Hydroperoxide	80-15-9	88 min.	
Cumene	98-82-8	balance	TLV = 50 ppm
Cumyl alcohol		6	
Acetophenone		1-2	

--- NOT ESTABLISHED

*** THE SPECIFIC CHEMICAL IDENTITY AND/OR WEIGHT IS BEING WITHHELD AS A TRADE SECRET

3. FIRE AND EXPLOSION DATA

FLASHPOINT: 177F

AUTO IGNITION TEMP.: N/A

LOWER EXPLOSION LIMIT: .9%

UPPER EXPLOSION LIMIT: N/A

EXTINGUISHING MEDIA:

Water fog, dry chemical, foam or carbon dioxide.
If large amount is involved, evacuate area and fight fire from safe distance.

SPECIAL FIRE FIGHTING PROCEDURES:

Cool surrounding material with water. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contamination, temperature, can decompose with force if confined during exposure to fire. Never use welding or cutting torch on or near drum because product can ignite explosively.

4. REACTIVITY DATA

STABILITY: Unstable

HAZARDOUS POLYMERIZATION: Cannot occur

CONDITIONS TO AVOID:

Heat, flame, sparks, ignition sources, contamination. Store below 100F to maintain active oxygen content

MATERIALS TO AVOID(INCOMPATIBILITY):

Strong acids, strong oxidizers, strong alkalis, transition metal-salts, reducing agents and vermiculite and heat.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposition products are flammable

This information contained herein based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as

stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk on his use of the material.

5. HEALTH HAZARD DATA**EMERGENCY AND FIRST AID PROCEDURES:**

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes lifting upper and lower lids occasionally. Get medical attention. Causes severe damage.

SKIN CONTACT: Flush with soap and water. Remove contaminated clothing and wash before re-use. Get medical attention. Causes severe irritation, burns, possible sensitization.

INGESTION: Do NOT induce vomiting. Keep person warm and quiet. Get emergency medical attention for lavage.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention. Keep person warm and quiet.

EFFECTS OF OVEREXPOSURE AND TOXICITY INFORMATION:

INGESTION: gastric irritant

INHALATION: Narcotic effect

SKIN CONTACT:
Severe burns possible

SKIN ABSORPTION:

EYE CONTACT:
Severe

CHRONIC EFFECTS OF OVEREXPOSURE:
skin sensitization possible

6. SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Absorb with soda ash. Sweep or scoop up using non-sparking tools and dispose of immediately. **DO NOT USE VERMICULITE.**

WASTE DISPOSAL METHOD:
Dispose of in accordance with Federal, state and local regulations.

7. SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION:**

Organic vapor canister or cartridge. Use only NIOSH/MESA approved equipment.

VENTILATION:

Use with adequate ventilation, local exhaust.

PROTECTIVE GLOVES:

Neoprene, polyvinyl chloride, natural rubber, butyl rubber

EYE PROTECTION:

Face shield, goggles

OTHER PROTECTIVE EQUIPMENT:

Eyewash station and emergency shower

8. SPECIAL PRECAUTIONS

Do not mix CHP directly with Cobalt. Violent reaction will occur.

9. ADDITIONAL RIGHT TO KNOW COMPOSITION INFORMATION

This information is provided in conjunction with the ingredient information in Section 2 to meet various regulatory composition requirements.

INGREDIENT	CAS#	LISTS
Cumene	98-82-8	

PA1= Pennsylvania Hazardous Substance List PA2= Pennsylvania Special Hazardous Substance List MA1= Massachusetts Hazardous Substance L
MA2= Massachusetts Extrordinary Hazardous Substance List NJ1= New Jersey Workplace Hazardous Substances List
NJ2= New Jersey Special Health Hazards List CN= Canadian Ingredient Disclosure List

10. SARA TITLE III INFORMATION

This product contains the following chemicals subject to the reporting requirements of Section 313 of The Emergency Planning and Communi Response Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

COMPONENT	CAS#	WEIGHT%
Cumene	98-82-8	approx. 91%

SARA Section 311 and 312 hazard classification(s) for this product are:

11. RCRA INFORMATION

Since this product is not sold as a waste, we have not tested it as a waste. Based on our knowledge of the product, its raw materials and processes employed during its manufacture, we believe it is unlikely that this product is a hazardous waste for Federal RCRA purposes. We recommend that you carry out your own tests and evaluations prior to discarding any materials.

12. CERCLA INFORMATION

N/A

13. CALIFORNIA PROPOSITION 65 INFORMATION

N/A

14. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Organic Peroxide, TYPE F, Liquid (Cumene Hydroperoxide)

D.O.T. HAZARD CLASS: 5.2

D.O.T. LABEL(S): Organic Peroxide

D.O.T. UN/NA NUMBER: UN 3109

15. OTHER INFORMATION

Chemical is listed on TSCA inventory.