

SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION / HAZARD RATINGS

PRODUCT IDENTITY:	CP-84 Urethane Retarder	HAZARD RATINGS:	
COMPANY IDENTITY:	Cumberland Products Inc.	HEALTH (NFPA):	2
COMPANY ADDRESS:	50 Commerce Parkway	HEALTH (HMIS):	2
COMPANY CITY:	Hodgenville, KY 42748	FLAMMABILITY:	3
COMPANY PHONE:	1-800-223-1918	REACTIVITY:	0
EMERGENCY PHONE:	1-800-424-9300		

SECTION 2. INGREDIENT & REGULATORY INFORMATION

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification: This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS #	WT. % (REG. SECTION)	RQ(LBS)
Dimethyl Glutarate	1119-40-0	Not Appl. (311,312)	None
Propylene Glycol Methyl Ether Acetate	108-65-6	Not Appl. (311,312)	None
*Toluene	108-88-3	12 (311,312,313,RCRA)	1000
Dimethyl Succinate	106-65-0	Not Appl. (311,312)	None
Dimethyl Adipate	627-93-0	Not Appl. (311,312)	None
Light Aliphatic Solvent Naphtha	*64742-89-8	Not Appl. (311,312)	None

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Dimethyl Glutarate	1119-40-0	None Known	None Known	No
Propylene Glycol Methyl Ether Acetate	108-65-6	None Known	100 ppm	No
Toluene	108-88-3	200 ppm	50 ppm	Yes
Dimethyl Succinate	106-65-0	None Known	None Known	No
Dimethyl Adipate	627-93-0	None Known	None Known	No
Light Aliphatic Solvent Naphtha	*64742-89-8	500 ppm	300 ppm	No

In addition to EPA Hazardous Air Pollutants showing "Yes" under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene, Mixed Xylenes, Ethylbenzene

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Light Aliphatic Solvent Naphtha	*64742-89-8	None Known	5.E3 ppm

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

CALIFORNIA PROPOSITION 65: This product contains the following known chemicals known to the State of California to cause cancer & reproductive toxicity: A trace of Benzene, Toluene.

IF > 7695 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED.

DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG—II

DRUM LABEL: FLAMMABLE LIQUID

SECTION 3. HAZARDS IDENTIFICATION

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
Toluene	108-88-3	LOWEST KNOWN LD50 (ORAL) 3000.0 mg/kg (Rats)
Super VM&P	*64742-89-8	LOWEST KNOWN LC50 (VAPORS) 3400 ppm (Rats)
Toluene	108-88-3	LOWEST KNOWN LD50 (SKIN) 4000.0 mg/kg (Rabbits)

THRESHOLD LIMIT VALUE: Not Applicable

CONTAINS: DIMETHYL GLUTARATE, PROPYLENE GLYCOL METHYL ETHER ACETATE, TOLUENE, DIMETHYL SUCCINATE, DIMETHYL ADIPATE, AND LIGHT ALIPHATIC SOLVENT NAPHTHA

**WARNING!
FLAMMABLE!!
ACUTE HAZARDS**

EYE AND SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver, & lungs.

SWALLOWING:

Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting, and diarrhea.

SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

Chronic overexposure can cause damage to kidneys, blood, nerves, liver, & lungs. Persons with severe skin, liver, or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE, & OTHER CHRONIC HAZARDS:

Due to metabolic differences, the results are not relevant in humans.

This product may contain less than 43 ppm of Benzene, not considered hazardous in such low concentrations.

Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin, immediately remove contaminate clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse. (Discard contaminated shoes.)

INHALATION:

After high vapor pressure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. **CALL A PHYSICIAN IMMEDIATELY!**

SWALLOWING:

If swallowed, **CALL A PHYSICIAN IMMEDIATELY!** Do NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to pneumonitis, which may be fatal.

SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE: 287 C / 550 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.3

FLASH POINT (TEST METHOD): 7 C / 45 F (TCC) (Lowest Component)

FLAMMABILITY CLASSIFICATION: Class I B

EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves, & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

FLAMMABLE !!

Keep container tightly closed.

Isolate from oxidizers, heat, sparks, electric equipment, & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

Stop spill at source. Dike area and contain. Clean up remainder with absorbent materials. Mop up and dispose of. Persons without proper protection should be kept from area until cleaned up.

WASTE DISPOSAL METHOD

Recycle or dispose of observing local, state, and Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

OTHER PRECAUTIONS

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment, & other ignition sources during use & until all vapors are gone.

SECTION 7. HANDLING & STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes.

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron, & footwear impervious to this material. Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment, & other ignition sources during use & until all vapors are gone. Do not store above 49 C/120 F.

Store large amounts in structures made for OSHA class I B liquids. Keep containers tightly closed & upright when not in use to prevent leakage.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Ventilate to keep vapors of this material below 30 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

VENTILATION

LOCAL EXHAUST: Necessary

MECHANICAL (GENERAL) : Acceptable

SPECIAL : None

OTHER : None

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

SECTION 9. PHYSICAL DATA

APPEARANCE:	Liquid, Water-White		
ODOR:	Ester		
BOILING RANGE:	121 180 221 C / 250 357 430 F		
GRAVITY @ 60 F			
API:	9.4		
SPECIFIC GRAVITY (Water=1):	1.004		
POUNDS/GALLON:	8.365		
VOC's (>0.44 Lbs/Sq In):	16.8 vol. %	168.6 g/L	1.404 Lbs/Gal
TOTAL VOC's (TVOC):	100.0 vol. %	1004.2 g/L	8.364 Lbs/Gal
NONEXEMPT VOC's (CVOC):	50.0 vol. %	458.2 g/L	3.816 Lbs/Gal
VAPOR PRESSURE (mm of Hg @ 20 C)	5.9		
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	5.7		
VAPOR DENSITY (air=1):	4.7		
WATER ABSORPTION:	Appreciable		
REFRACTIVE INDEX:	1.426		

SECTION 10. REACTIVITY DATA

STABILITY

Stable

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment, & open flame.

MATERIAL TO AVOID

Isolate from strong oxidizers such as permanganates, chromates, & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.