

UCRETE HP, HPQ, & MF PART 1

Version 2.0

07/03/06

1. COMPANY AND PRODUCT INFORMATION

Company : BASF Corporation
23700 Chagrin Blvd
BEACHWOOD, OH 44122
USA
Phone : 216-839-7500
Fax :
Emergency contact : 1-800-424-9300

Productname : UCRETE HP, HPQ, & MF PART 1
MSDS : 10486

2. HAZARDOUS INGREDIENTS:	CASNO	EXPOSURE LIMITS*		PEL	CONTENT
		TLV	STEL		
Xylene	1330-20-7	100 ppm	150 ppm	100 ppm	< 20 %
Ethyl-3-ethoxy propionate	763-69-9	None	None	None	< 15 %
1,3-Butylene glycol	107-88-0	None	None	None	< 5 %
Isophorone diisocyanate	4098-71-9	None	None	None	< 1 %
Note: Xylene (mixed isomer) contains the following in the approximate proportions:					
Ethyl Benzene	100-41-4	100 ppm	125 ppm	100 ppm	18%
Benzene	71-43-2	0.5 ppm	2.35 ppm	0.5 ppm	< 100ppm

*) Refer to Section 7 for available LD/LC (50) Health Hazard Data.

3. PHYSICAL DATA:

Boiling Point (°C):	> 105	Water/Oil Distribution	
Percent VOC (w/w):	ca. 33.6	Coefficient:	N/Av
Freezing Point (°C):	N/Av	Solubility in Water:	None
Vapor Pressure mmHg @20 (°C): (Xylene)	9	Specific Gravity:	ca. 0.98
Vapor Density:	> Air	pH:	N/Av
Odor Threshold: (ppm)	N/Av	Evaporation Rate:	N/Av
Appearance: Yellowish liquid		Odor: Aromatic	
N/Av = Not Available	N/Av = Not Applicable		ca. = Approximate

4. FIRE AND EXPLOSION HAZARD DATA: HMIS Hazard Rating No. 3 (Serious)

Flash Point: 36 °C (96 °F) Method: Setaflash C.C..

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4. **FIRE AND EXPLOSION HAZARD DATA:** (cont'd)

Auto-Ignition Temperature: 528 °C 982 °F (Xylene)

Limits of Flammability: LEL: 1.0 % (Xylene) UEL: 7.0% (Xylene)

Extinguishing Media: Carbon dioxide, foam, dry chemical & water fog.

Special Fire & Unusual Hazards: At higher temperature vapors can cause pressure build up in sealed containers. Use water to cool containers exposed to fire. Self-contained respirator equipment and full protective clothing required when smoke or fumes are generated. Vapors heavier than air can concentrate, travel to source of ignitions, and flash back. Residue in container can ignite explosively. Electrical grounding is recommended when transferring material in containers 1 gallon (4 liters) or larger.

5. **REACTIVITY DATA:** HMIS Hazard Rating No. 0 (Minimal)

Stability: Stable. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

Incompatibility: Strong acids, bases, oxidizing agents and peroxides. Avoid sources of ignition.

Hazardous Decomposition Products: Oxides of carbon and nitrogen; various unknown hydrocarbons from incomplete combustion. Potential formation of peroxides. If peroxide formation is suspected, do not open or move container. Avoid sources of ignition.

Hazardous Polymerization: Will not occur when handled per instructions.

6. **ENVIRONMENTAL AND DISPOSAL INFORMATION:**

Action To Take For Spills/Leaks: Ventilate area, eliminate all sources of ignition. Wear appropriate protective gear. Contain leak or spill. Salvage and clean up residue with absorbent material. Remove collected material to safe and well-ventilated or outdoor area.

Waste Disposal Method: Handle disposal of waste material in accordance with local, state, province and federal regulation. Landfill if solidified or incineration at agency approved waste-disposal facilities.

7. **HEALTH HAZARD DATA:** HMIS Hazard Rating No. 3 (Serious)

PRIMARY ROUTE OF ENTRY: Inhalation, Dermal, Eyes, Ingestion

Effects Of Overexposure

Inhalation: Can cause irritation to mucous membranes and upper respiratory system. Possible kidney and liver damage, narcosis, CNS depression. High exposures may result in narcotic effect, headaches and possible unconsciousness.

LCLo (50)	Inhal.	CASRN	100-41-4	4000	ppm	4Hr	Rat.
LC (50)	Inhal.		1330-20-7	5000	ppm	4Hr	Rat.
			4098-71-9	40	mg/M3	4Hr	Rat

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7. **HEALTH HAZARD DATA:** (cont'd)

Effects Of Overexposure (cont'd)

Eyes: Can cause severe irritation, tearing, blurred vision and possible corneal injury.

Skin Contact: Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis. Skin sensitization or allergic reaction may occur in some individuals.

Skin Absorption: Not expected to be absorbed through skin in sufficient quantity to increase overall toxicity.

LD (50)	Dermal	CASRN	100-41-4	17.8	gm/kg	Rabbit.
			107-88-0	> 20	gm/kg	Rabbit.
			763-69-9	1060	mg/kg	Rabbit.
			1330-20-7	3950	mg/kg	Rabbit.
			4098-71-9	10	ml/kg	Rabbit.

Ingestion: Harmful or fatal if swallowed; contains petroleum distillates. Intake may cause gastrointestinal irritation nausea, vomiting, diarrhea, headache and drowsiness.

LD (50)	Oral	CASRN	100-41-4	3500	mg/kg	Rat.
			107-88-0	> 20	gm/kg	Rat.
			763-69-9	>5000	mg/kg	Rat.
			1330-20-7	4300	mg/kg	Rat.
			4098-71-9	5490	mg/kg	Rat.

Chronic: Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200.

Ethyl Benzene (100-41-4): Has been reported as a human mutagen; experimental teratogen; experimental reproductive effects.

Xylene (1330-20-7): Long term exposure to high concentrations of vapors may result in central nervous system depression. Xylene overexposure to laboratory animals has resulted in liver and kidney damage.

8. **FIRST AID:**

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

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8. **FIRST AID:** (cont'd)

Ingestion: Do **NOT** induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do **NOT** give anything by mouth to an unconscious person.

9. **SPECIAL PROTECTION INFORMATION:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do **NOT** wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and Rubber/Nitrile gloves. Selection of specific items such as boots and apron will depend on operation. Wear respirator protection whenever airborne concentrations exceed TLV or TWA limits. Use NIOSH/OSHA approved respirators equipped with an organic vapor cartridge for listed hazard.

Confined spaces, rooms, or tanks are areas where concern for TLV's is especially important. Reference OSHA Regulation CFR 29 1910.134 for recommended respiratory protection.

10. **ADDITIONAL INFORMATION:**

Average Shelf Life: Refer to Product Data Sheet.

Special Instructions: Store in cool, dry place.

REGULATORY INFORMATION:

Title III Section 302:

CASRN	1330-20-7	RQ:	100	LB.
	100-41-4		1000	LB.

Title III Section 311/312:

Health hazard:	Immediate
	Delayed
Physical hazard:	Fire

Title III Section 313:

CASRN	1330-20-7	<	20 %
	100-41-4	<	5 %
	4098-71-9	<	1 %

State: California This product contains a chemical known to the state of California to cause cancer or reproductive harm.

Ethyl benzene	100-41-4	<	5 %
Toluene	108-88-3	Trace	

WHMIS Classification:

Class B, Div. 2
Class D, Div. 2, Sub A
Class D, Div. 2, Sub B

Canadian Domestic Substance List: All chemicals are listed.

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10. **ADDITIONAL INFORMATION:** (cont'd)

TRANSPORTATION

National Motor Freight Classification (NMFC): 33880 Sub: 2 Class: 55

Description: REGULATED - USE DOT PROPER SHIPPING NAME

Emergency Response Guide Page No.: 127

DOT Reportable Quantity: 500 LB. (225 KG) (XYLENE)
25000 LB. (11360 KG) (ETHYL BENZENE)

Proper Shipping Name: RESIN SOLUTION
UNNO: UN 1866 Class: 3 Package Group: III
Label: FLAMMABLE Sub-Label: NONE

Marine Pollutant: NL
P = Moderate PP = Severe WS = Water Sheen
NL = Not Listed ND = Not Determined

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