

MATERIAL SAFETY DATA SHEET

OSHA - Meets 29 CFR 1910.1200 Standards



HMIS HAZARD RATINGS

HEALTH	3	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	1	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:	Corrosive liquid, basic, organic, n.o.s. (m-xylylenediamine)		
HAZARD CLASS / PKG GRP:	8 / III	REF:	49 CFR 173.154, .203, .241
IDENTIFICATION NUMBER:	UN 3267	LABEL:	CORROSIVE

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

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PANCRETE (Part B - Amine Curing Agent)

MANUFACTURER'S NAME

Controlled Release Technologies, Inc.

EMERGENCY TELEPHONE NUMBER

CHEM • TEL (800) 255-3924 Outside USA (813) 248-0573

ADDRESS (NUMBER, STREET, P.O. BOX)

12745 49th Street North

TELEPHONE NUMBER FOR INFORMATION

(727) 572-7119

(CITY, STATE AND ZIP CODE)

Clearwater, FL 33762-4604

DATE PREPARED: May 10, 2002

SUPERSEDES: May 7, 2000

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	%	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M ³	PPM	MG/M ³		
Benzyl Alcohol	100-51-6		not established					
Benzene 1,3-dimethanamine (a)	1477-55-0			0.1 C		0.1 C		
Isophoronediamine	2855-13-2		not established					

(a) A "C" in the OSHA PEL or ACGIH TWA column indicates ceiling limits, the concentration that should not be exceeded during any part of the working exposure.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Corrosive and irritating to upper respiratory tract and mucous membranes.

Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

SKIN: Corrosive and irritating; chemical burns may result from contact; severe irritant.

Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

EYES: CORROSIVE; Contact with eyes is painful and irritating and may cause chemical burns, necrosis and permanent injury.

Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

INGESTION: Corrosive and irritating to digestive tract; may cause gastric distress, stomach pains and vomiting.

Drink large quantities of water or milk; give diluted vinegar or lemon juice to conscious person; DO NOT induce vomiting; seek medical attention immediately.

HEALTH HAZARDS (ACUTE AND CHRONIC): Corrosive to skin and eyes; prolonged inhalation of this product may cause ulcers to the upper respiratory tract; no long term health effects are known at this time, however, repeated contact with eyes may cause severe irritation, conjunctivitis or corneal damage.

CARCINOGENICITY

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

No additional information

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

MATERIAL SAFETY DATA SHEETIDENTITY (AS USED ON LABEL AND LIST)
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Date: May 10, 2002**SECTION 4 - FIRE FIGHTING MEASURES**FLASH POINT (METHOD USED)
> 200 ° F

FLAMMABLE LIMITS

LEL: Not applicable

UEL: Not applicable

EXTINGUISHING MEDIA

Carbon dioxide, water fog, dry chemical, chemical foam

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. Caution - Material will support combustion!

SECTION 5 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION - CORROSIVE, WILL SUPPORT COMBUSTION. Do not wash to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

SECTION 6 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures, open flames. Store in cool, dry area to prevent moisture absorption and carbon dioxide contamination. CAUTION - material is corrosive. This material will support combustion. Keep this and other chemicals out of reach of children.

SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 for complete regulations.

VENTILATION

LOCAL EXHAUST: Required

SPECIAL: To maintain minimum TWA and STEL levels.

MECHANICAL (GENERAL): Yes

OTHER: Engineering and work controls as required.

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.

EYE PROTECTION: Safety goggles with side shields

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 8 - PHYSICAL / CHEMICAL PROPERTIESBOILING POINT
347° FSPECIFIC GRAVITY (WATER = 1)
1.050VAPOR PRESSURE (MM Hg)
<2 Pa @ 68° FVOLATILE ORGANIC COMPOUNDS (VOC's)
NoneVAPOR DENSITY (AIR = 1)
Not applicableEVAPORATION RATE (n-Butyl Acetate = 1)
Not applicableSOLUBILITY IN WATER
Partly soluble% VOLATILE (BY WEIGHT)
None

APPEARANCE AND ODOR

Amber liquid, characteristic amine odor

pH

~ 11 (Dispersion, 50% @ 68° F)

SECTION 9 - STABILITY AND REACTIVITY

STABILITY

UNSTABLE:

CONDITIONS TO AVOID:

STABLE: XXX

Extreme temperatures, open flames

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizers, strong acids. Reacts with epoxy resins with evolution of heat

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon and nitrogen, hydrocarbons, aldehydes, fumes, and toxic smoke may be produced.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

CONDITIONS TO AVOID:

WILL NOT OCCUR: XXX

None

SECTION 10 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for corrosive materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.