

MATERIAL SAFETY DATA SHEET

Polyurethane 100, 200 Accelerator

SECTION I

Product Identification and General Information

Product Name: Polyurethane 100, 200 Accelerator
Product Class: Cotin 200
HMIS Codes: H F R P
1 3 0 A

Date Prepared: 4/21/99
24 Hour Emergency Assistance: Chemtrec
1-800-424-9300

SECTION II

Hazardous Ingredients

<u>Hazardous Ingredients</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm
Dibutyltin Dilaurate	77-58-7	N/E	N/E

SECTION III

Physical Data

Boiling Point: 175°F (79.4°C) @ 760 mmHg
Vapor Pressure: 78.000 mmHg @ 68.00 F
Specific Vapor Density: 2.500 @ AIR=1
Specific Gravity: .806 @ 68.00 F
Liquid Density: 6.710 lbs/gal @ 68.00F
.806kg/l @ 20.00C
Percent Volatiles: 100%
Volatile Organic Compounds (VOC)
100.000%
807.000 g/l
6.710 lbs/gal
Octanol/Water Partition Coefficient: 1.720

Solubility in Water: 26.8% @ 20.0C
Evaporation Rate: 5.70 (N-Butyl Acetate)
Appearance: Clear, Colorless, Mobile Liquid
State: Liquid
Physical Form: Neat
Color: Clear, Apha Color 10 MAX
Odor: Strong Characteristic "Ketone"
pH: No data
Viscosity: .4 cps
Freezing Point: -123.0 F (-86.1 C)
Molecular Weight: 72.0
Bulk Density: .900 lbs/ft3

SECTION IV

Fire and Explosion Hazard Data

Flash Point: 23.0 F (-5.0 C) TCC

Flammable Limits:

LEL: 2.0

UEL: 11.4

Autoignition Temperature: 759.0 F (403.8 C)

Extinguishing media: Regular foam, carbon dioxide, dry chemical.

Hazardous Combustion Products: May form: carbon dioxide and carbon monoxide

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

NFPA Rating: Health – 1, Flammability – 3, Reactivity – 0.

SECTION V

Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: May form: carbon dioxide and carbon monoxide.

Incompatibility: Avoid contact with strong oxidizing agents.

SECTION VI

Health Hazard Data

Primary Route of Entry: Dermal, Inhalation, Eye contact.

Eye Contact: Can cause mild eye irritation. Symptoms include stinging, tearing, redness.

Skin Contact: Can cause skin irritation. Repeated or prolonged exposure may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, burns or other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Inhalation: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Ingestion: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects.

Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting.

This results in lung inflammation and other lung injury.

Chronic Overexposure: Symptoms may include irritation (nose, throat airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

SECTION VII

First Aid

Eyes Contact: Immediately flush eyes gently with water for at least 15 minutes while holding eyelids open. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin Contact: Immediately remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. Do not reuse clothing until thoroughly cleaned.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Seek medical attention.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

SECTION VIII

Special Protection Information

Respiratory Protection: Wear NIOSH approved respirator for organic vapors to prevent overexposure.

Ventilation: Provide sufficient ventilation to maintain exposure below level of overexposure.

Eye Protection: Chemical splash goggles or other approved safety glasses.

Skin Protection: Wear chemical resistant gloves and other clothing as required to minimize contact.

SECTION IX

Spill or Leak Procedures

Steps to be taken if material is released or spilled:

Large Spill: Eliminate all ignition sources. Wear respirator and other protective clothing. Stop spill at source. Dike and contain spill. Pump or vacuum transfer spilled material to a clean recovery vessel. Soak up residue with absorbent material.

Small spills: Absorbent material should be used to take up the spill.

Waste Disposal Method: Dispose of material in accordance with all federal, state and local regulations.

SECTION X

Shipping Data

D.O.T. Shipping Name: Flammable, Liquid, NOS

Technical Shipping Name: Organotin Compounds

D.O.T. Hazard Class: Flammable Liquid

UN/NA Number: 1993

Packing Group III

D.O.T. Labels Required: 3 Flammable

Freight Class: 55