



95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

# Material Safety Data Sheet

Date Prepared 8/2/2010

## SECTION I - IDENTIFICATION

**IDENTITY (As Used on Label)** Dur-A-Solve  
**COMMON NAME** Epoxy Resin Thinning Solvent

|   |                     |   |
|---|---------------------|---|
| HAZARD RATING<br>0 = Least<br>1 = Slight<br>2 = Moderate<br>3 = High<br>4 = Extreme | Health              | 2 |
|   | Flammability        | 3 |
|   | Reactivity          | 0 |
|   | Personal Protection | G |

| SECTION II - PRODUCT COMPONENTS     | CAS.#     | OSHA PEL | ACGIH TLV |
|-------------------------------------|-----------|----------|-----------|
| Xylene <sup>1</sup>                 | 1330-20-7 | 100ppm   | 100ppm    |
| Propylene Glycol Monomethyl Ether   | 107-98-2  | 100ppm   | 100ppm    |
| Methyl Isobutyl Ketone <sup>2</sup> | 108-10-1  | 100ppm   | 50ppm     |

<sup>1</sup>Xylene is regulated by SARA III, 40CRF 372, Sec.313.

<sup>2</sup>MIBK is regulated by SARA III,40CFR Part 372,Sec 313.

T.S.C.A. Status - O.K. on all above components.

**\*FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300\***

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

|                         |                             |   |                                      |             |
|-------------------------|-----------------------------|---|--------------------------------------|-------------|
| Boiling Point           | Xylene                      | 290°F                                   | Specific Gravity (H2O = 1)           | <1          |
| Vapor Pressure (mm Hg)  | Xylene                      | 7                                       | Melting Point                        | N/A         |
| Vapor Density (AIR = 1) | Xylene                      | 3.7                                     | Evaporation rate (Butyl Acetate = 1) | Xylene 0.75 |
| Solubility in Water     | Negligible.                 | Volatile Organic Compounds (VOC) = 100% |                                      |             |
| Appearance and Odor     | Clear liquid. Solvent Odor. |   |                                      |             |

## SECTION IV - FIRE and EXPLOSION HAZARD DATA

|                                 |      |                  |     |     |
|---------------------------------|------|------------------|-----|-----|
| Flash Point (Closed Cup Method) | 81°F | Flammable Limits | LEL | UEL |
|                                 |      | Xylene           | 1%  | 7%  |

Extinguishing Media Dry Chemical, Foam Carbon Dioxide, (Water may be ineffective.)

Special Firefighting Procedures

Wear full protective equipment including self-contained breathing apparatus. Irritating and toxic vapors and smoke may be generated. Use water spray to cool fire exposed containers.

Unusual Fire and Explosion Hazards

Keep containers tightly closed. Vapors may migrate to an ignition source in a confined area and cause a flash fire. Isolate from all sources of heat, sparks, pilot lights, flame, electrical equipment and other sources of ignition.

## SECTION V - REACTIVITY DATA

|                                       |   |   |                     |
|---------------------------------------|---|---|---------------------|
| Stability                             | Unstable                                      |   | Conditions to Avoid |
|                                       | Stable  | X | Fire                |
| Incompatibility (Materials to Avoid)  | None Known.                                   |   |                     |
| Hazardous Decomposition or Byproducts | By Fire: Carbon Monoxide, and Carbon Dioxide. |   |                     |
| Hazardous                             | May Occur                                     |   | Conditions to Avoid |

## SECTION VI - HEALTH HAZARD DATA

|  |  |              |                   |
|--|--|--------------|-------------------|
| Route(s) of Entry:   | Inhalation?<br>Yes                             | Skin?<br>YES | Ingestion?<br>YES |
| Signs and Symptoms of Exposure   | Irritation of skin, eyes or respiratory tract. |              |                   |
| Health Hazards (Acute and Chronic)   |  |              |                   |
| <p>ACUTE - prolonged skin exposure can cause irritation, dermatitis. Inhalation of vapors can cause nasal and respiratory irritation, dizziness, headache, nausea.</p> <p>CHRONIC- prolonged or repeated exposure to vapors may cause liver and kidney damage. Lung disorders may be aggravated by exposure.</p> |  |              |                   |

|                  |            |                        |                       |
|------------------|------------|------------------------|-----------------------|
| Carcinogenicity: | NTP?<br>NO | IARC Monographs?<br>NO | OSHA Regulated?<br>NO |
|------------------|------------|------------------------|-----------------------|

Medical Conditions Generally Aggravated by Exposure  
**Allergy, eczema, skin conditions and lung disorders.**

Emergency and First Aid Procedures

**EYES** - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.

**Skin** - remove contaminate clothing. Clean affected area with mild soap and water. If irritation or redness develops, seek medical attention.

**INHALATION**- move person away from source of exposure and into fresh air. If person is not breathing, give artificial respiration and seek medical attention immediately. If breathing difficulty develops, give oxygen and seek medical attention immediately.

**INGESTION**-get medical attention immediately.

**\*\*NOTE\*\* PERSONS WITH LUNG DISORDERS OR WHO ARE SENSITIZED SHOULD NOT USE THIS PRODUCT.**

## SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type) Use NIOSH approved respirator, as outlined in 30CFR11 and 29CFR 1919.134

effective for solvent and epoxy/amine exposure. SCBA or air-supplied respirators must be used when PEL/TLV is exceeded.

|             |               |  |         |                                    |
|-------------|---------------|--|---------|------------------------------------|
| Ventilation | Local Exhaust | Use in confined area.  | Special | Explosion - proof fans when needed |
|             | Mechanical    | Must be sufficient to maintain area below established TLV/PEL. |         |                                    |

|                   |                         |                |                       |
|-------------------|-------------------------|----------------|-----------------------|
| Protective Gloves | Neoprene rubber gloves. | Eye Protection | Splash proof goggles. |
|-------------------|-------------------------|----------------|-----------------------|

Other Protective Clothing or Equipment

Use other protective equipment such as rubber aprons and a faceshield if danger of splashing is possible.

Eye wash station or clear water must be readily available. ENFORCE GOOD HYGIENE PRACTICES.

No smoking or open lights in work area. Exposure to liquid, vapors, mists or fumes must be minimized. Use air-supplied respirators in enclosed areas and when PEL/TLV is higher than established level.

Work/Hygienic Practices Launder contaminated clothing before use. Dispose contaminated leather shoes.

## SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled

Shut off and eliminate all ignition sources. Keep people away. Add sand, earth or other absorbent to spill area.

Ventilate confined spaces. Open windows and doors, minimize breathing vapors and skin contact. Keep spill out of sewers by diking. Observe precautions for flammable vapors from absorbed materials.

Waste Disposal Method

Incineration in accordance with local, and state and federal regulations.

Precautions to be Taken in Handling and Storing Keep containers tightly closed when not in use and away from excessive heat and flame. Do not pressurize, cut, weld, solder, drill or grind the containers.

Other Precautions Store in an OSHA approved area for flammable materials.

Prepared by Samet Dy - Chemist

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