

## **DYNASOLVE 210**

### **MSDS Number**

BKCYZ

### **National Stock Number**

6850-00F015333

### **Product Name**

DYNASOLVE 210

### **Manufacturer**

DYNALLOY INC

### **Product Identification**

Product ID:DYNASOLVE 210

MSDS Date:09/01/1989

FSC:6850

NIIN:00F015333

MSDS Number: BKCYZ

### **Responsible Party**

DYNALLOY, INC

7 GREAT MEADOW LANE

HANOVER , NJ 07936

Emergency Phone: (201) 887-9270

Info Phone: (201) 887-9270

Preparer: JAY W. PARTON

Cage: FO122

### **Contractor**

DYNALLOY, INC.

INDIANAPOLIS, IN 46203

US

317-788-9925;703-527-3887

Cage: 27908

### **Ingredients**

DODECYLBENZENESULFONIC ACID (SARA III)

CAS: 27176-87-0

RTECS: DB6600000

Fraction By Weight: 5-25%

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

METHYLENE CHLORIDE (SARA III)

CAS: 75-09-2

RTECS: PA8050000

Fraction By Weight: 75-95%

OSHA PEL500 PPM/C,1000; Z2

ACGIH TLV: 50 PPM, A2; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:SKIN/EYES: BURNS, & IRRITATION.

INHALATION: RESPIRATORY TRACT IRRITATION, DIZZINESS, HEADACHE, VERTIGO, NAUSEA, DROWSINESS, NARCOSIS, UNCONSCIOUSNESS, CARDIAC ARRHYTHMIA, CARBOXYHEMOGLOBINEMIA, & CENTR AL NERVOUS SYSTEM EFFECTS.

Explanation of Carcinogenicity:METHYLENE CHLORIDE IS LISTED AS A POTENTIAL CARCINOGEN

Effects of Overexposure:EYES/SKIN: BURNS, & IRRITATION. INHALATION: RESPIRATORY TRACT IRRITATION, DIZZINESS, HEADACHE, VERTIGO, NAUSEA, DROWSINESS, NARCOSIS, UNCONSCIOUSNESS, CARDIAC ARRHYTHMIA, CARBOXYHEMOGLOBINEMIA, & CENT RAL NERVOUS SYSTEM EFFECTS.

Medical Cond Aggravated by Exposure:SKIN ALLERGIES, RESPIRATORY CONDITIONS.

## First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION & ADMINISTER OXYGEN. EYES: FLUSH W/WATER, INCLUDING UNDER THE EYELIDS FOR 15 MINUTES. SKIN: FLUSH W/WATER FOR 15 MINUTES, THEN WASH W/SOAP & WATER. INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, DILUTE W/WATER, MILK, OR MILK OF MAGNESIA. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Lower Limits:14%

Upper Limits:22%

Extinguishing Media:WATER FOG, CO2, DRY CHEMICAL

Fire Fighting Procedures:USE FULL PROTECTIVE CLOTHING, INCLUDING SCBA W/A FULL FACEPIECE OPERATED IN A POSITIVE-PRESSURE MODE. COOL FIRE EXPOSED CONTAINERS W/WATER.

Unusual Fire/Explosion Hazard:FORMS FLAMMABLE VAPOR-AIR MIXTURES. LOWER TEMPS INCREASE THE DIFFICULTY OF IGNITION. CONCENTRATED VAPORS CAN BE IGNITED BY HIGH INTENSITY HEAT SOURCE.

## Accidental Release

Spill Release Procedures:VENTILATE AREA. CLEAN UP AREA. USE A NON-COMBUSTIBLE ABSORBENT MATERIAL. FLUSH AREA W/WATER. MAY BE NEUTRALIZED W/SODA ASH, TSP, OR BICARBONATE OF SODA.

Neutralizing Agent:SODA ASH, TRIBASIC SODIUM PHOSPHATE, BICARBONATE OF SODA

## Handling

Handling and Storage Precautions:AVOID CONTACT W/SKIN & BREATHING VAPORS. STORE IN COOL, DRY VENTILATED AREA. VAPORS ARE >AIR/WILL COLLECT IN LOW AREAS. KEEP CONTAINER SEALED.

Other Precautions:FOAMS PROFUSELY WHEN HIT W/A STREAM OF WATER. DON'T PUMP AT HIGH PRESSURE. USE TEFLON PACKINGS. THE USE OF AIR FOR UNLOADING PRODUCT OUT OF VESSELS OR TRANSPORT CONTAINERS ISN'T RECOMMENDED. STORE IN IRON OR STAINLESS STEEL TANKS.

## Exposure Controls

Respiratory Protection:AN APPROPRIATE FULL-FACE NIOSH-APPROVED RESPIRATORY FOR ORGANIC VAPOR/MIST SHOULD BE WORN IF NEEDED. FOR HIGH CONCENTRATIONS, USE AN APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST: WELL VENTILATED AREA. MECHANICAL: EXHAUST HOOD. SPECIAL: EXPLOSION PROOF

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:IMPERVIOUS APRON.

Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

SPIILLED MATERIAL IS SLIPPERY ON WALKWAYS. THIS PRODUCT BECOMES MORE CORROSIVE WHEN MIXED W/WATER. CONTACT LENSES SHOULDN'T BE WORN.

## Chemical Properties

Boiling Pt:B.P. Text:104F

Vapor Pres:355

Vapor Density:2.93

Spec Gravity:1.272

pH:2.14

Evaporation Rate & Reference:(ETHER = 1): 0.7

Solubility in Water:MODERATE

Appearance and Odor:AMBER LIQUID, CHLORINATED SOLVENT ODOR.

Percent Volatiles by Volume:100%

## Stability

Stability Indicator/Materials to Avoid:YES

WATER, ALKALIS, OXIDIZERS, AMINES, ALUMINUM, POSSIBLE SODIUM, POTASSIUM, & MAGNESIUM.

Stability Condition to Avoid:OPEN FLAME, HOT SURFACES, ELECTRICAL ARCS, HEAT SOURCE.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, PHOSGENE, CHLORINE

## Disposal

Waste Disposal Methods:INCINERATE IN ACCORDANCE W/FEDERAL, STATE, & LOCAL REGULATIONS. BENZENESULFONIC ACID IS LISTED AS A HAZARDOUS SUBSTANCE UNDER TO CFR 116.4. ITS REPORTABLE QUANTITY IS 1000 LBS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.