

Material Safety Data Sheet

May be used comply with
 OSHA's Hazard Communication Standard
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (As Used on Label and List)		<i>Note:</i> Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
RESIST REMOVER RR2			
Section I			
Manufacturer's Name		Emergency Telephone Number	
Futurrex, Inc.		973-579-1324	
Address (Number, Street, City, State and ZIP Code)		Telephone Number for Information	
12 Cork Hill Road		973-579-1324	
Franklin , New Jersey 07416		Date Prepared	
		11/1/2000	
		Signature of Prepare (optional)	
Section II - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity: Common Name(s))		OSHA PEL	ACGIH TLV CAS Number % (optional)
Dimethyl Sulfoxide		None	None 67-68-58
Water		None	None 7732-18-5
Proprietary Additive		None	None *
*All Components of the product are registered in the Chemical Substance Inventory according with the Toxic Substance Control Act.			
Section III - Physical/Chemical Characteristics.			
Boiling Point (°C)	189	Specific Gravity (H2O=1)	>1
Vapor Pressure (mm Hg) (20°C)	0.46	Melting Point (°C)	18.3
Vapor Density (AIR-1)	2.7	Evaporatiion Rate (Butyl Acetate=1)	<1
Solubility in Water			
Soluble			
Appearance and Odor			
Clear liquid. Slight odor.			
Section IV- Fire and Explosion Hazard Data			
Flash Point (Method Used)	Flammable Limits.	LEL	UEL
89°C, Tag Closed Cup	% volume in air	3.0-3.5	42-63
Extinguishing Media.			
Foam, carbon dioxide, dry powder, water spray.			
Special Fire Fighting Procedures .			
Wear a self contained breathing apparatus.			
Unusual Fire and Explosion Hazard.			
Burning dimethyl sulfoxide produces poisonous gases (sulfur oxides).			
Section V - Reactivity Data			
Stability	Unstable	Conditions to Avoid	
		Prolonged heating above 150°C	
	Stable	X	

Incompatibility (Materials to Avoid)

Organic and inorganic acid chlorides, strong oxidizing agents, alkali metals.

Hazardous Decomposition or Byproducts

Sulfur dioxide, formaldehyde, methyl mercaptan, dimethyl sulfide.

Hazardous	May Occur	Conditons to Avoid
Polymerization	A	N.A.
	Will Not Occur	X

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

Inhalation: High vapor concentration may cause headache, dizziness. Skin: DMSO may penetrate the skin under certain conditions.

Ingestion: <4.5 G/kG (rat)

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of exposure

Inhalation: may cause dizziness. Eyes and skin: may cause irritation.

Medical Conditions Generally Aggrevated by Exposure

Not investigated.

Emergency and First Aid Procedures

Inhalation: remove victim to fresh air. Skin contact: wash with soap and water. Ingestion: Do not induce vomiting. Get medical attention.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Dilute and flush to wastewater treatment or absorb with inert material. Do not allow the material to enter streams or waterways.

Waste Disposal Method

Place in a disposal facility approved under RCRA regulation for hazardous waste.

Precautions to Be Taken in Handling and Storing

Keep away from heat, sparks and open flames. Keep containers tightly closed. Store away from strong oxidizing agents in a cool and dry place.

Other Precautions

None.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Do not breathe vapor or mist.

Ventilation	Local Exhaust	Special
	Good ventilation should be used.	Use with exhaust equipment with discharge to outdoors.
	Mechanical (General)	Other
	Explosion-proof ventilation equipment.	No smoking or open flames.

Protective Gloves

Chemically resistant flovles.

Eye Protection

Chemical splash goggles or face shield.

Other Protective Clothing or Equipment

Usually not needed

Work/Hygenic Practices

Follow regulations appropriate for handling flammable chemicals.

