

REC'D FEB 2 1 2000

MATERIAL SAFETY DATA SHEET
For Coatings, Resins and Related Materials

5972

Printed: 01/27/98

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SECTION I - PRODUCT IDENTIFICATION

CHM00088

STEWART / HALL

DIVISION OF THE RECTORSEAL CORPORATION

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D.O.T. Hazard Class: NON-FLAMMABLE

Proper Shipping Name:

Technical Name:

UN #: "UN1956"

Trade Name: GRIMESOLV

Product Class: CHLORINATED CLEANER

Product Code: G05150DA

C.A.S. Number: MIXTURE

Prepared By: HARVEY GRODJESK

Title: GENERAL MANAGER

Hazard Ratings: Health - 2

none extreme Fire - 1

0 4 Reactivity -0

Personal Protection - B

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS#	Weight --- Exposure Limits --- VP				
		%	ACGIH / TLV	OSHA / PEL	mmHG	
PERC/METHYLENE CHLORIDE	MIXTURE	46.92	50 ppm	25 ppm	13	
		STEL = 200	ppm	200 ppm		
GLYCOL BUTYL ETHER	111-76-2	1.93	25 ppm	50 ppm	0	
		STEL = NA	N.E.	NA	N.E.	
METHYLENE CHLORIDE	75-09-2	33.85	50 ppm	500 ppm	350	
		STEL =	N.E.			
AMINE	124-68-5	2.30	N.E.	PPM	25	
		STEL = NA	N.E.	NA	N.E.	
NITROUS OXIDE	10024-97-2	3.26	50 ppm	NA	60	
		STEL = 0	N.E.		N.E.	

***All ingredients in this product are listed in the T.S.C.A. Inventory.

THIS MIXTURE CONTAINS 95% PERCHLOROETHYLENE 5% METHYLENE CHLORIDE. PERCHLOROETHYLENE IS LISTED AS A POTENTIAL CARCINOGEN AND METHYLENE CHLORIDE A SUSPECT CARCINOGEN.

N.E. = Not Established

SECTION III - PHYSICAL DATA

Boiling Range: N.AV
 Evap. Rate: Faster than n-Butyl Acetate
 Volatiles vol % 93 wgt% N.AV
 Appearance: WHITE FOAM. CHLORINATED ODOR.
 V.O.C.: 25

Vapor Density: Heavier than Air.
 Liquid Density: Heavier than Water.
 Wgt per gallon: 11.04 Pounds
 Spec. Gravity: 1.32533

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: N.AV
 Flash Point: None F PMCC
 LEL: N.AV
 UEL: N.AV

-EXTINGUISHING MEDIA: NA
-SPECIAL FIREFIGHTING PROCEDURES: NA
-UNUSUAL FIRE & EXPLOSION HAZARDS: Aerosol container may explode if exposed to high temperatures. May generate Hydrochloric Acid and Phosgene Gas if exposed to open flames.
-FLAMMABILITY: (NONE = NO)

SECTION V - TOXICOLOGICAL PROPERTIES

-PERMISSIBLE EXPOSURE LEVEL: 25 PPM Perchloroethylene. Based on lowest allowable vapor content for an 8 hour day.
-EFFECTS OF CHRONIC OVEREXPOSURE: Vapors are irritating, prolonged inhalation may cause breathing difficulties, dizziness, and possible unconsciousness. Perchloroethylene is listed as a potential carcinogen and Methylene Chloride a possible carcinogen.
-FIRST AID: Eyes and Skin: Wash with water for 15 minutes. If irritation persists call a physician.
 Inhalation: Place individual in a ventilated area. If breathing has stopped give artificial respiration. Call physician.
 Ingestion: There is no specific antidote. Call physician. Do not administer adrenaline.
-EFFECTS OF ACUTE OVEREXPOSURE: Inhalation - can cause dizziness. Intentional misuse by inhalation may cause unconsciousness or death.
 Skin - may cause temporary burning sensation and irritation. Prolonged contact may cause skin blistering.
 Eyes - severe irritation if sprayed into eyes.
-ROUTE OF ENTRY: Skin Contact - Eye Contact - Inhalation
-EXPOSURE LIMITS: 25 PPM based on Perchloroethylene 8 hr TWA exposure
-IRRITANCY OF PRODUCT: Mild
-SENSITIZATION TO PRODUCT: Possible
-CARCINOGENICITY: Yes
-TERATOGENICITY: None
-REPRODUCTIVE TOXICITY: None
-MUTAGENICITY: None
-SYNERGISTIC PRODUCTS: Unknown

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SECTION VI - PREVENTIVE MEASURE - REACTIVITY DATA

STABILITY: () Unstable (x) Stable
HAZARDOUS POLYMERIZATION: () May occur (x) Will not occur
-INCOMPATIBILITY: NA
-CONDITIONS TO AVOID: Avoid heating container.
-HAZARDOUS DECOMPOSITION PRODUCTS: Phosgene Gas and Hydrochloric Acid if exposed to open flames.

SECTION VII - PREVENTIVE MEASURES - SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Use absorbent and place in sealed container.
-WASTE DISPOSAL METHOD: Do not puncture or incinerate cans. Empty cans may be disposed of with municipal trash. Dispose of liquid in a toxic landfill. Do not discharge into water system.

SECTION VIII - PREVENTIVE MEASURES - SPECIAL PROTECTION INFORMATION

-RESPIRATORY PROTECTION: In a closed area, use an approved respirator for Chlorinated Solvents.
-VENTILATION: Local exhaust.
-PROTECTIVE GLOVES: Rubber or neoprene, shield guard.
-EYE PROTECTION: Goggles
-OTHER PROTECTIVE EQUIPMENT: None

SECTION IX - PREVENTIVE MEASURES - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not heat cans or expose cans to temperatures above 120 F.
-OTHER PRECAUTIONS: Do not inhale vapors. If material is released, ventilate area. For industrial application only. Keep out of reach of children.

SECTION X - ADDITIONAL REGULATORY INFORMATION

-SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
Mixture	PERC/METHYLENE CHLORIDE	46.92
75-09-2	METHYLENE CHLORIDE	33.85

-PROP 65 (CARCINOGEN):

WARNING: This product contains a chemical known to the state of California to cause cancer.

<u>CAS#</u>	<u>Chemical Name</u>
Mixture	PERC/METHYLENE CHLORIDE
75-09-2	METHYLENE CHLORIDE

-PROP 65 (TERATOGEN):

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

<u>CAS#</u>	<u>Chemical Name</u>
	None

-PROP 65 (BOTH CARCINOGEN AND TERATOGEN):

WARNING: This product may contain a chemical known to the state of California to cause cancer or birth defects or other reproductive harm.

<u>CAS#</u>	<u>Chemical Name</u>
	None