250 New York Ave. Des Moines, IA. 50313

MATERIAL SAFETY DATA SHEET

ROCKTOP CT

<u>1. PRODUCT INDENTIFICATION</u>

Product: ROCKTOP CT Synonyms: Silane Resin

NFPA Est:	HMIS Est:
Health; 2	Health; 2
Fire: 2	Fire: 2
React: 1	React: 1

2. COMPOSITION

Ingredient	Concentration	C.A.S. Number	ACGIH TLV
Trade Secret A-1	23-25	Proprietary	1000 ppm
Trade Secret A-2	9-10	Proprietary	
Ethyl Alcohol	9-10	64-17-5	1000 ppm
Tert Butyl Acetate	36-39	540-88-5	200 ppm
Trade Secret B	13-16	Proprietary	

3. CHEMICAL AND PHYSICAL PROPERTIES

Vapor pressure: 9 hPa @ 20° C	Vapor Density: Heavier than air
Solubility in Water: Insoluble	Specific Gravity: 1.02
Boiling Point: >90°C	Appearance: clear to slightly milky liquid
Odor: Mild fruity	V.O.C. 95 gm/liter

4. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: < 93° C</th>Recommended Extinguishing Agents: Use water spray, foam, dry chemical, or CO2Hazardous Products Formed by Fireor Thermal decomposition: Hazardous fumes (ethanol, phenolics, oxides of carbon and nitrogen) may beevolved upon exposure to heat or open flame.Unusual Fire or Explosion Hazards: FlammableCompressed Gasses: NonePressure at room temp: N.A.

5. REACTIVITY DATA

Stability: StableHazardous Polymerization:May occurHazardous Decomp. Prod.: EthanolIncompatibility: Oxidizers, alkalis, acids, alphatic amines, water

6. SPILL OR LEAK PROCEDURES

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state and federal regulations.

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7. STORAGE AND HANDLING PROCEDURES

- **Storage:** Avoid storage over 100° F, contamination with incompatible materials. Keep containers tightly closed in a cool, well ventilated place. Protect from moisture. Residual vapors might explode on ignition. Do not apply heat, cut, drill, grind or weld on or near this container.
- **Handling:** Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks, flames and other sources of ignition. Wash thoroughly after handling.

8. SHIPPING REGULATIONS

DOT and IATA Hazard Classification: 3 **Proper DOT Shipping Name:** Flammable liquid **Identification Number: DOT** – 1170 **IATA** – None

9. EMERGENCY TREATMENT PROCEDURES

Eye Irritation: Skin Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing and shoes. Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption.
Inhalation:	If aerosol or mists are formed, remove affected person to fresh air. Possible discomfort includes irritation of mucous lining (nose, throat, eyes), cough, sneezing and flow of tears. Call a physician immediately if breathing difficulties occur: keep patient half sitting with upper body raised.
Ingestion:	If accidentally swallowed, rinse mouth thoroughly with water and, afterwards, drink plenty of water. In case of discomfort, obtain medical attention. Notes to physician if substance has been swallowed: early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear. If necessary, aspirate leftover substance.

10. PERSONAL PROTECTION

Respiratory:	Positive fresh air exhaust should be provided in the work area. A respiratory protection
	program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial
	requirements must be followed whenever workplace conditions warrant respirator use.
Skin:	Avoid skin contact. Wear butyl-rubber gloves and impervious protective clothing.
Eyes:	Do not wear contact lenses. Chemical safety goggles or splash shields are recommended.

<u>11. HEALTH HAZARD DATA</u>

Potential Routes of Entry:	Skin, eyes, inhalation.	
Symptoms of Overexposure:	Possible skin and eye irritation on contact. Inhalation of vapors in an	
	unventilated area may, over time, induce headaches or dizziness.	

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Exposure Limits:	ACGIH	OSHA (BEL)	OTH	ER	
Ingredients	(TLV)	(PEL)			
Trade Secret A-2 Ethyl Alcohol Methyl Acetate	10 ppm 1000 ppm 200 ppm	100 ppm 1000 ppm 200 ppm			
	Target Organs:		NTP	Carcinogen: IARC	OSHA
Trade Secret A-1	IRR, LIV, KID		NO	NO	NO
Trade Secret A-2	IRR, LIV, KID		NO	NO	NO
Ethyl Alcohol	HEART, IRR, LIV,	KID	NO	NO	NO
Methyl Acetate	HEART, IRR, LIV,	, KID	NO	NO	NO
Trade Secret B	NONE		NO	NO	NO
Abbreviations: N/A Not Applicable IRR Irritant		ALG Allerş KID Kidne	2		

12. REGULATORY INFORMATION

Sara Listed Ingredients: Trade Secret A-2, Trade Secret B TSCA Inventory: Ethyl Alcohol, Methyl Acetate

STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65

This product does not contain materials which the State of California has found to cause cancer, birth defects, or other reproductive harm.

REP Reproductive

OTHER REGULATORY INFORMATION: ** NONE **

ABBREVIATIONS:

LIV Liver

- ACGIH = American Conference of Governmental Industrial Hygienists
- **OSHA** = Occupational Safety and Health Administration
- TLV = Threshold Limit Value
- **PEL** = Permissable Exposure Limit
- NTP = National Testing Program
- IARC = International Agency for Research on Cancer
- NFPA = National Fire Protection Association
- HMIS = Hazardous Materials Identification System
- -- = No Data / Not Available
- N.A. = Not Applicable

13. PREPARATON INFORMATION

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IMPORTANT

LIABILITY DISCLAIMER

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.