THOR Tarp
DIV. OF ODIN INTERNATIONAL, INC

Safety Data Sheet

HH-66 VINYL CEMENT

Section I

HH-66 Vinyl Cement
Part # HH-66(size)

Section II – Hazardous Ingredients/Identity Information

Common Names		OSHA PEL	ACGIH TLV	Weight	Skin
Methyl Ethyl Ketone	cas# 78-93-3	200 ppm	200 ppm	46%	
Acetone	cas#67-64-1	750 ppm	750 ppm	21.5%	
Toluene	cas #108-88-3	100 ppm	100 ppm	195	50 ppm

Toluene and Methyl Ethyl Ketone are subject to the reporting requirements of section 313 of SARA Title III.

OSHA Hazard – Flammable, Irritant
DOT Info – ADHESIVES, 3, UN113,PGII
ERG # 127
HMIS Ratings: Health-1; Flammability-3; Reactivity-0
NFPA Ratings: Health-2; Flammability-3; Reactivity-0
(Key: 4-extreme; 3-high; 2-moderate; 1-slight)
Optional DOT info: Consumer Commodity, ORM-D

VOC's total: 6.41 lbs./Gal.
Regulated VOC's: 4.7 lbs./Gal.
w/ the delisting of Acetone 6/95

Section III – Physical/Chemical Characteristics

Boiling Point Acetone	132ºF	**Specific Gravity(H_2O = 1)**	.87 - .88
Vapor Pressure(mm Hg.) @ 68º	180mm	**Melting Point**	N/D
Vapor Density(AIR = 1)	Heavier	**Evaporation Rate (Butyl Acetate = 1)**	Slower
Solubility in Water	Insoluble		
Appearance and Oder	Clear; Fragrant mint-like oder, Sharp		

Section IV – Fire and Explosion Hazard Data

Flash Point (method used) 6ºF ASTM D-56 **LEL** 1% **UEL** 12%
Extinguishing Media Foam, Dry Chemical, CO_2
Special Fire Fighting Procedures Fire Fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.
Unusual Fire/Explosion hazards Extremely Flammable. Overheated, closed container near to a fire could explode due to pressure buildup.

Section V – Reactivity Data

Stability	Stable	**Conditions to Avoid**	N/A
Incompatibility(materials to avoid)		Strong Oxidizing Agents	
Hazardous Decompositions or Byproducts		CO_2 and CO when subject to flames or excessive heat.	
Hazardous Polymerization	Will Not Occur	**Conditions to Avoid**	N/A

Section VI – Health Hazard Data

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

Health Hazards(acute and chronic) **Eyes**-Liquid mildly irritating. Overexposure may also cause irritation.

Skin-Prolonged contact can cause defatting and possible dermatitis.

Breathing-Overexposure may cause irritation to respiratory system. Extreme overexposure to vapors could result in central nervous system, liver and kidney damage.

Ingestion-May cause gastrointestinal irritation.

Carcinogenicity:none **NTP?** N/A **IARC Monographs?** N/A **OSHA Regulated?** N/A

Signs and Symptoms of Exposure: **Eyes**-Redness, tearing and swelling.

Skin-Dryness of skin including cracking.

Breathing-Over exposure includes dizziness, Headache, nausea and light-headedness.

Ingestion-Nausea, vomiting and diarrhea.

Medical Conditions Generally Aggravated by Exposure:

Skin-Prolonged contact will defat skin and cause dermatitis.

Breathing-Extreme overexposure of Toluene vapors may cause nervous system damage.

Ingestion-May cause nausea, vomiting and Diarrhea. Aspiration into lungs as a result of vomiting may cause lung damage.

Emergency and First Aid Procedures: **Eye**-Flush immediately either water. Call physician.

Skin-Wash area with soap and water.

Breathing-move affected person to fresh air at once. Restore breathing. Call physician if if difficulties persist.

Ingestion-DO NOT INDUCE VOMITING. call a physician. Give water to victim. If vomiting occurs, prevent aspiration into lungs.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Extinguish all sources of ignition in are. Collect spilled material and place in a closed container for disposal or salvage.

Waste Disposal Method

Dispose in accordance with local and current U.S., E.P.A. regulations.
U.S. E.P.A. Hazardous Waste Number: D035 (ignightable) (MEK-1/91)

Precautions to be taken in Handling and Storing

Keep away from heat, open flames and sparks. Use and store with adequate ventilation to prevent vapor buildup. Vapors released by product can ignite.

Other Precautions

Avoid contact with skin and eyes. Avoid prolonged breathing of vapors. Keep container closed when not in use. KEEP OUT OF THE REACH OF CHILDREN.

Section VIII – Control Measures

Respiratory Protection (specific type)

If exposure exceeds occupational exposure limits, use a NIOSH approved respirator to prevent overexposure. Per 29 CFR 1910.134 CCROV or SA types recommended.

Ventilation

Local exhaust should be used to maintain exposure below TLV(s)
Mechanical should be used to maintain exposure below TLV(s)
Special explosion proof ventilation may be required to control vapor concentrations.

Protective Gloves

Impervious gloves (for solvent);

Eye Protection

Chemical goggles or safety glasses.

Other Protective Clothing or Equipment

Work apron to avoid contact with personal clothing and skin.

Work/Hygienic Practices

Keep area clean. Wash hands thoroughly after working with product.