

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

TRADE NAME (as labeled): HiFi
Description: Emulsion for Silk Screens

DATE PREPARED/ REVISED:

January 07, 2011

SUPPLIER'S NAME

Ryonet Corporation
11800 N.E. 60th Way
Vancouver, WA 98682 USA

PREPARED BY:

H.S.D.

PHONE NUMBER:
(800)314-6390

II. COMPONENT SAFETY DATA

Chemical Names	CAS Numbers	%	ACGH TLV	OSHA PEL	Other (specify)
Vinyl Acetate Monomer	108-05-4	0.3-0.6	10 ppm		

Exposure Limits in Air (give units)

III. PHYSICAL PROPERTIES

Vapor density (air =1):	NA	Melting point or range, °F	ND
Specify gravity:	1.05	Boiling point or range, °F	212
Solubility in water:	Miscible	Evaporation rate (butyl acetate =1):	<1
Vapor pressure, mmHg at 20 °C:	NA	pH (1% solution):	4-5

Appearance and odor:

Red color with slight acetate odor. Viscosity = 11500 cp

IV. FIRE AND EXPLOSION

Flash point, °F (give method): Not Flammable

Auto ignition temperature, °F: NA

Flammable limits in air volume %: lower (LEL) NA upper (UEL) NA

Fire extinguishing materials: water spray foam carbon dioxide dry chemical other _____

Special fire fighting procedures:

NA

Unusual fire and explosion hazards:

NA

V. REACTIVITY DATA

Stability: Stable Unstable _____

Conditions to avoid:

Heat and exposure to sunlight.

Incompatibility (materials to avoid):

None known.

Hazardous decomposition products (including combustion products):

CO, CO₂, and unidentified organic compounds.

Hazardous polymerization: May occur _____ Will not occur

Conditions to avoid:

Heat and exposure to light.

VI. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Excessive exposure may cause irritation to upper respiratory tract or central nervous system effect.

Skin: Prolonged or repeated exposure may cause skin irritation.

Swallowed: Gastric distress, nausea.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: Explain in lay terms.

Acute: Possible skin irritation.

Chronic: Possible allergic reaction.

FIRST AID EMERGENCY PROCEDURES:

Eye contact: Irrigate flowing water immediately and continuously for 15 minutes. Consult medical personnel.

Skin contact: Immediately flush eyes with fresh water for at least 15 minutes, remove contaminated clothing and shoes.

Inhaled: Remove to fresh air.

Swallowed: Induce vomiting if large amounts are ingested. Consult medical personnel.

CARCINOGENICITY? YES: _____ NO:

This product's ingredients are found in this list. Federal OSHA _____ NTP _____ IARC _____ ACGIH _____

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin conditions.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Absorb small spills onto sand or other material.

Large spills should be diked and recovered.

Disposal Methods: Hardened material may be land filled.

NOTE: Dispose of all wastes in accordance with federal, state, and local regulations.

VIII. SPECIAL HANDLING PROCEDURES

Respiratory protection (type): None required under normal use conditions.

If respiratory irritation is experienced, use an approved air-purifying respirator

Ventilation and engineering controls: General ventilation recommended.

Eye protection (type): Chemical goggles/ Safety glasses

Gloves (specify material): Neoprene gloves to prevent direct skin contact

Other clothing and equipment: Adequate protective clothing to prevent skin contact.

Work practices, hygienic practices: Wash hands thoroughly after handling. Wash hands before eating or smoking.

Other handling and storage requirements: Protect from freezing.

IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

HMIS Code System Rating = Health 1; Flammability 0; Reactivity 0

NFPA 704 Code System Rating = Health 0; Flammability 0; Reactivity 0

Volatile Organic Compound (VOC) = none

The components in this product are all listed under TSCA.