SAFETY DATA SHEET

Date issued : 07/08/2024
SDS number : 1337
Date revised : 10/06/2026
Revision number : 1

HYDRO-X RED

1. Identification

Product identifier: HYDRO-X RED
Product description: Emulsion
Relevant identified uses: Water-based screen printing emulsion

Manufacturer / Supplier

SAATI Americas Corporation
Chromaline Screen Print Products
201 Fairview St. Extension
Fountain Inn, SC 29644
Customer Service: 1-800-328-4261
E-Mail: info@chromaline.com
Web: www.chromaline.com

Emergency telephone number (24 hour)

INFOTRAC 800-535-5053 or 352-323-3500, 24-hours everyday

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Skin Sensitization, Category 1
Eye Irritation, Category 2

Label elements

Exclamation mark

Signal word: WARNING

Hazard statement(s)

H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Precautionary statement(s)

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

Disposal:

P501: Dispose of contents/container in accordance to federal/state/local regulations.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Propoxylated glycerol triacrylate	15 - 20	52408-84-1
Ethoxylated tetramethyldecynediol	0.3 - 0.5	9014-85-1
Phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide	0.2 - 0.4	162881-26-7

4. First-aid measures

Eye: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration and call 911 or emergency medical service.

5. Fire-fighting measures

Suitable extinguishing media: SMALL FIRES: Dry chemical, CO2, water spray or regular foam. LARGE FIRE: Water spray, fog or regular foam.

Hazardous combustion products: Products of combustion include: carbon oxides (COx), nitrogen oxides (NOx).

Fire fighting procedures: Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep unauthorized personnel away. Ventilate closed spaces before entering. LARGE FIRES: Use extinguishing agent suitable for type of surrounding fire.

Fire fighting equipment: Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous decomposition products: Not Available

6. Accidental release measures

Small spill: Contain spill. Wipe area with water soaked towels.

Large spill: Wear suitable protective equipment. Contain spill. Soak up with absorbent material and transfer to a container for disposal according to local/state/federal regulations.

7. Handling and storage

Precautions for safe handling: Avoid contact with skin and eyes.

Conditions for safe storage: Keep container closed when not in use. Store away from extreme heat. Do not freeze. Ventilate enclosed areas.

Shelf life: 24 months

8. Exposure controls/personal protection

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

Skin protection - hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Skin protection - other: Apron recommended.

Occupational hygiene practices: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. Physical and chemical properties

Physical state: Viscous liquid

Color: Red

Odor: Slight

pH: 4 to 5

Freezing point: Not Available

Initial boiling point and boiling range: Not Available

Flash point: Not Available

Evaporation rate (n-butyl acetate = 1): Not Available

Lower explosion limit / flammability limit: Not Available

Vapor pressure: Not Available

Relative vapor density: Not Available

Relative density: 1.070

Solubility: Soluble

Auto-ignition temperature: Not Available

Decomposition temperature: Not Available

Dynamic viscosity: 120 to 140 Poise at 25°C (77°F) Brookfield Viscometer, 10rpm

Molecular weight: Not Available

Pour point: Not Available

Percent volatiles: 52

VOC content: 0 g/L

10. Stability and reactivity

Reactivity: Yes

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Heat, sunlight

Hazardous decomposition products: Not Available

Incompatible materials: Not Available

11. Toxicological information

Acute toxicity

Chemical name	LD_{50} (oral) mg/kg(rat)	LD_{50} (dermal) mg/kg(rabbit)
Propoxylated glycerol triacrylate	> 2000 mg/kg [Rat]	> 2000 mg/kg [Rat]
Phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide	> 2000 mg/kg [Rat]	> 2000 mg/kg [Rat]

Acute dermal toxicity LD_{50}: Not Available

Acute oral toxicity LD_{50}: Not Available

Acute inhalation toxicity LC_{50}: Not Available

Skin corrosion / irritation: Based on available data, the classification criteria are not met

Serious eye damage / irritation: Eye Irritation 2

Respiratory or skin sensitization: Skin Sensitizer 1

Germ cell mutagenicity: Based on available data, the classification criteria are not met

Carcinogenicity

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - single exposure: Based on available data, the classification criteria are not met

Specific Target Organ Toxicity - repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met

12. Ecological information

Aquatic toxicity, both acute and chronic:

Propoxylated glycerol triacrylate, 52408-84-1: LC50 - Danio rerio (zebra fish) - 5.74 mg/l - 96 h; EC50 - Daphnia magna (Water flea) - 91.4 mg/l - 48 h; EC50 - Desmodesmus subspicatus (green algae) - 12.2 mg/l - 72 h.

Phenyl bis(2,4,6-trimethylbenzoyl)phosphine oxide, 162881-26-7: Ingestion/Oral-Rat LD50 >2000 mg/kg; Skin-Rat LD50 >2000 mg/kg.

Environmental data: No data are available on the adverse effects of this material on the environment.

13. Disposal considerations

Disposal methods: Dispose of in accordance with all current local, state and federal regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated

ICAO / IATA - air

UN proper shipping name: Not regulated

IMO / IMDG - International

UN proper shipping name: Not regulated

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Eye Irritation, Skin Sensitization

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: None

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All components of this product are listed on the TSCA Inventory.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

CANADA

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): All components of this product are listed on the Domestic Substances List.

16. Other information

Prepared by: SDS Regulatory Specialist **Date revised:** 10/06/2026

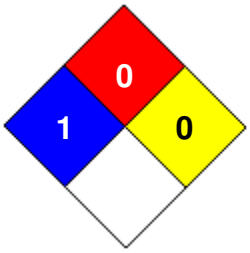
Revision summary: This SDS replaces the 07/08/2024 SDS. Revised: **Section 1:** Emergency telephone number (24 hour), Product description, Prepared by. **Section 2:** Classification of the substance or mixture, Signal word,

Label elements, Precautionary statement(s). **Section 3:** % w/w. **Section 4:** Eye, Inhalation. **Section 5:** Suitable extinguishing media, Fire fighting procedures, Hazardous combustion products. **Section 7:** Conditions for safe storage. **Section 11:** Aspiration hazard, Germ cell mutagenicity, , , Specific Target Organ Toxicity - repeated exposure, Specific Target Organ Toxicity - single exposure, , Skin corrosion / irritation. **Section 12:** Aquatic toxicity, both acute and chronic. **Section 15:** 311/312 health categories, State regulations, WHMIS Regulatory Status, California Proposition 65. **Section 16:** HMIS rating - Health NFPA codes - Health.

HMIS rating

Health	1
Flammability	0
Physical hazard	0
Personal protection	B

NFPA codes



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