Safety Data Sheet HEADLINER PLUS, MM

Supercedes Date 02/27/2009 **Issuing Date** 06/23/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name HEADLINER PLUS, MM
Recommended use Water-borne coatings
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0093
Chemical nature Polymers Aqueous solution
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color White **Physical state** liquid **Odor** Acrylic

GHS
Classification
Physical Hazards
None

Health Hazard
None

Other hazards
None

Labeling
Signal Word
Not classified

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Tripropylene glycol monomethyl ether	25498-49-1	1-5
Tributoxyethyl phosphate	78-51-3	1-5
Dipropylene glycol mono methyl ether	34590-94-8	1-5
Diethylene glycol monoethyl ether	111-90-0	1-5

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** Not applicable
Flammability Limits in Air %: Mixture. **Upper:** 3 **Lower:** 1.1
Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Foam. Alcohol-resistant foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Material can create slippery conditions.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA	**Health** 1	**Flammability** 1	**Instability** 0
HMIS	**Health** 1	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** X **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Dipropylene glycol mono methyl ether	TWA: 100 ppm Skin STEL: 150 ppm	TWA: 100 ppm TWA: 600 mg/m^3 Skin	600 ppm STEL 150 ppm STEL 900 mg/m^3 TWA: 100 ppm TWA: 600 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

- **Eye/Face Protection** Safety glasses with side-shields.
- **Skin Protection** For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
- **Respiratory Protection** In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	**Viscosity**	Non viscous - Semi-viscous
Color	White	**Odor**	Acrylic
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	8.6	**Specific Gravity**	1.02
Evaporation Rate	1.25 (BuAc = 1)	**Percent Volatile (Volume)**	98.2
VOC Content (%)	0.7	**VOC Photoreactive (Y/N)**	No
VOC Max Use Dilution (wt%)	No data available	**VOC Content (g/L)**	7.14
Vapor Pressure	17.13 mmHg @ 70°F	**Vapor Density**	0.8
Solubility	Completely soluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	> 100 °F / 38 °C	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Mixture	**Upper:** 3 **Lower:** 1.1	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid None known.

Incompatible Products Strong acids.

Decomposition Temperature No data available

Hazardous Decomposition Products None under normal use.

Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 18,330.76
Dermal LD50 No information available
Inhalation LC50
Gas No information available
Mist No information available
Vapor No information available

Principle Route of Exposure Skin contact, Eye contact.
Primary Routes of Entry None known.
Acute Effects:
Eyes May cause eye irritation.
Skin May cause skin irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity Prolonged skin contact may defat the skin and produce dermatitis.
Target Organ Effects Respiratory system.
Aggravated Medical Conditions Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Tripropylene glycol monomethyl ether	= 3184 mg/kg (Rat)	= 15440 mg/kg (Rabbit)	no data available	no data available	no data available
Tributoxyethyl phosphate	= 3000 mg/kg (Rat)	> 16 mL/kg (Rabbit)	> 6.4 mg/L (Rat) 4 h	no data available	no data available
Dipropylene glycol mono methyl ether	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	no data available	no data available	no data available
Diethylene glycol monoethyl ether	= 1920 mg/kg (Rat)	no data available	> 5240 mg/m^3 (Rat) 4 h	no data available	no data available

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
Tripropylene glycol monomethyl ether	No information available.	LC50 = 11619 mg/L Pimephales promelas 96 h	No information available	10: 48 h Daphnia magna mg/L EC50	N/A
Tributoxyethyl phosphate	No information available.	LC50 10.4 - 12.0 mg/L Pimephales promelas 96 h	No information available	No information available.	4.78
Dipropylene glycol mono methyl ether	No information available.	LC50 > 10000 mg/L Pimephales promelas 96 h	No information available	1919: 48 h Daphnia magna mg/L LC50	-0.064
Diethylene glycol monoethyl ether	No information available.	LC50 11400 - 15700 mg/L Oncorhynchus mykiss 96 h LC50 11600 - 16700 mg/L Pimephales promelas 96 h LC50 19100 - 23900 mg/L Lepomis macrochirus 96 h LC50 = 10000 mg/L Lepomis macrochirus 96 h LC50 = 13400 mg/L Salmo gairdneri 96 h	No information available	3940 - 4670: 48 h Daphnia magna mg/L EC50	-0.8

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS No.	Weight %	SARA 313 - Threshold Values
Tripropylene glycol monomethyl ether	25498-49-1	1-5	1.0
Dipropylene glycol mono methyl ether	34590-94-8	1-5	1.0
Diethylene glycol monoethyl ether	111-90-0	1-5	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
No	No	No	No	No

CERCLA

16. OTHER INFORMATION

Prepared By	Adrienne McKee
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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