

Safety Data Sheet

(60-SDS

IV

5HMRQ

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HMIS (U.S.A.) Scale: 0-4	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	A
2.3 Other Hazards	PBT: This mixture does not contain any substances that are assessed to be a PBT. vPvB: This mixture does not contain any substances that are assessed to be a vPvB.	

Section 3. Composition and Information on Ingredients

3.2 Chemical Description: Mixture

*May contain additional non-hazardous proprietary ingredients.

*May contain additional active ingredients at concentrations <0.1%w/v.

Hazardous Ingredients:	CAS#	EC#	GHS Symbols	%
Water	7732-18-5	231-791-2	N/A	≥96
(3-(N-Morpholino)propanesulfic acid)	1132-61-2	214-478-5	 Warning. 2 H315 Causes skin irritation.	≤2.0
Bovine Serum Albumin	9048-46-8	9048-46-8	N/A	≤1.0
Sodium Chloride	7647-14-5	7647-14-5	N/A	≤0.9

Section 4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with copious amounts of water. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms worsen.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5. Fire Fighting Measures

5.1 Extinguishing Media	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
5.2 Special hazards arising from the substance or mixture	None known
5.3 Advice for firefighters	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus.

6.2 Environmental precautions

Keep material away from heat, flame, ignition sources, and reactive materials. Don't allow product to enter drain.

6.3 Methods and materials for containment and cleaning up

Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7. Handling and Storage

7.1 Precautions for safe handling.

Avoid contact with skin and eyes.

Wash thoroughly after handling.

Avoid breathing vapor.

7.2 Conditions for safe storage, including any incompatibilities.

Store in well ventilated area.

Keep container tightly closed.

Store at 2-8°C.

7.3 Specific end use(s).

See section 1.2

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters	Exposure Limits: N/A
8.2 Exposure controls	<p>Personal Protective Equipment (PPE):</p> <p>Eye/Face protection. <i>Safety glasses or goggles are required.</i></p> <p>Skin protection. <i>Protective clothing is required.</i></p> <p>Hand protection. <i>Chemical resistant gloves are required.</i> <i>Glove material must be resistant to the components of this product.</i> <i>Consult glove manufacturer for specific recommendations of appropriate material and thickness of glove.</i></p> <p>Respiratory protection. <i>Avoid breathing vapor.</i></p> <p>Environmental exposure controls. <i>Avoid releasing large quantities into the environment.</i> <i>No additional information.</i></p>
Engineering Controls	<i>Working area should be adequately large and well ventilated to prevent concentration of vapors.</i> <i>Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.</i>

Section 9. Physical and Chemical Properties

Physical State	<i>Liquid</i>
Color	<i>Transparent</i>
Odor	<i>Odorless</i>
Odor Threshold	<i>Unknown</i>
pH	<i>~6.5</i>
Melting Point/ Freezing Point	<i>Unknown</i>
Initial Boiling Point	<i>Unknown</i>
Flash Point	<i>Unknown</i>
Evaporation Rate	<i>Unknown</i>
Flammability (solid, gas)	<i>Unknown</i>
Upper/Lower Flammability Limits	<i>Unknown</i>
Vapor Pressure	<i>Unknown</i>



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Vapor Density	Unknown
Relative Density	Unknown
Solubility(ies)	Water
Partition Coefficient: n-octanol/water	Unknown
Auto-Ignition Temperature	Unknown
Decomposition Temperature	Unknown
Viscosity	Unknown
Explosive Properties	Not explosive.
Oxidizing Properties	Unknown

Section 10. Stability and Reactivity

10.1 Reactivity	No relevant data available.
10.2 Chemical Stability	Stable under normal temperatures and pressures.
10.3 Possibility of Hazardous Reactions	No hazardous reactions known.
10.4 Conditions to Avoid	Fire, static electricity, direct sunlight.
10.5 Incompatible Materials	Strong acids, and oxidizers.
10.6 Hazardous Decomposition Materials	None known

Section 11. Toxicological Information

11.1 Information on Toxicological Effects.	<p>Acute Toxicity. No relevant data available</p> <p>Skin Corrosion/Irritation. May be irritating to skin and mucous membranes.</p> <p>Serious Eye Damage/Irritation. May be irritating to eyes.</p> <p>Respiratory or skin sensitization. No relevant data available.</p> <p>Germ Cell Mutagenicity. No relevant data available.</p>
Carcinogenicity.	<p>International Agency for Research on Cancer (IARC). None of the components are listed.</p> <p>National Toxicology Program (NTP). None of the components are listed.</p>

Section 12. Ecological Information

12.1 Toxicity	<p>Fish: No relevant studies identified.</p> <p>Crustacea: No relevant studies identified.</p> <p>Algae/Aquatic Plants: No relevant studies identified.</p> <p>Other Organisms: No relevant studies identified.</p>
12.2 Persistence and Degradability.	No relevant studies identified.
12.3 Bioaccumulative Potential.	No relevant studies identified.
12.4 Mobility in Soil.	Miscible in water. May spread in water systems. This component is non-volatile.

Additional Remarks	<i>None.</i>
12.5 Results of PBT and vPvB Assessment.	PBT: <i>This mixture does not contain any substances that are assessed to be a PBT.</i> vPvB: <i>This mixture does not contain any substances that are assessed to be a vPvB.</i>

Section 13. Disposal Considerations

13.1 Waste Disposal Methods.	<i>Sewage disposal is discouraged. Waste should not be disposed of by release to sewers. Dispose waste in accordance with federal, state and local environmental control regulations.</i>
Product/Packaging Disposal.	<i>Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.</i>
Other Disposal Recommendations.	<i>No relevant data available.</i>

Section 14. Transport Information

14.1 UN Number DOT, IATA,IMDG, ADR	<i>DOT: Not dangerous goods ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods</i>
14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR	<i>ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods DOT: Not dangerous goods</i>
14.3 Transport Hazard Class(es)	<i>DOT: Not dangerous goods IATA: Not dangerous goods IMDG: Not dangerous goods ADR/RID: Not dangerous goods</i>
14.4 Packing Group DOT, IATA,IMDG, ADR	<i>ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods DOT: Not dangerous goods</i>
14.5 Environmental Hazards	Marine Pollutant: <i>No</i>
14.6 Special Precautions for User	<i>Not applicable.</i>

Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.	
Extremely Hazardous Substances; Section 355	<i>None of the components in this mixture are listed.</i>
Toxic Substances Control Act; TSCA	<i>All of the components in this mixture are listed.</i>
California Proposition 65	<i>None of the components in this mixture are listed.</i>
Right To Know Components	<i>None of the components in this mixture are listed.</i>
15.2 Chemical Safety Assessment	<i>No Chemical Safety Assessment has been carried out for this substance/mixture by Teomics, LLC.</i>
R phrases	R36/38 <i>EN: Irritating to eyes and skin. DA: Irriterer øjnene og huden</i>

	<p><i>DE: Reizt die Augen und die Haut.</i> <i>EL: Ερεθίζει τα μάτια και το δέρμα.</i> <i>ES: Irrita los ojos y la piel.</i> <i>FR: Irritant pour les yeux et la peau.</i> <i>IT: Irritante per gli occhi e la pelle.</i> <i>NL: Irriterend voor de ogen en de huid.</i> <i>PT: Irritante para os olhos e pele.</i> <i>SV: Irriterar ögonen och huden.</i></p>
S phrases	<p>S2 <i>EN: Keep out of the reach of children.</i> <i>DA: Opbevares utilgængeligt for børn.</i> <i>DE: Darf nicht in die Hände von Kindern gelangen.</i> <i>EL: Μακριά από παιδιά.</i> <i>ES: Manténgase fuera del alcance de los niños.</i> <i>FR: Conserver hors de la portee des enfants.</i> <i>IT: Conservare fuori della portata dei bambini.</i> <i>NL: Buiten bereik van kinderen bewaren.</i> <i>PT: Manter fora do alcance das crianças.</i> <i>SV: Förvaras oåtkomligt för barn.</i></p>

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Teomics, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.