

1. Product and Company Identification

Material name	Heat Transfer Solution
Version	# 1
Revision date	05-14-2015
Product code	NA
Chemical class	Hazardous
Manufacturer	Nomax, Inc. 9735 Green Park Industrial Drive Saint Louis, MO 63123
Emergency	Medical (314) 815-5200
General information	General (314) 815-5200

2. Hazards Identification

Emergency overview	Material Considered Hazardous
Potential health effects	None Determined for Material
Eyes	Causes eye irritation
Skin	Mild skin irritation
Inhalation	No Hazard Determined
Ingestion	No Hazard Determined

3. Composition / Information on Ingredients

Components	CAS #	Percent
Glycerin	56-81-5	100%

4. First Aid Measures

First aid procedures	Poison information centers in each state capitol city can provide additional assistance.
Eye contact	Flush eye with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Notes to physician	Treat symptomatically
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Treat symptomatically

5. Fire Fighting Measures

Flammable properties	May be combustible at high temperatures. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated.
Suitable extinguishing media	Carbon dioxide (CO ₂). Dry Chemical. Water spray mist or foam.

**Unsuitable extinguishing Media
Protection of firefighters**

Not available
Firefighters should wear protective clothing with self-contained breathing apparatus

**Specific hazards arising from the chemical
Protective equipment and precautions
Specific methods**

May be combustible at high temperatures.
Move containers from fire area if you can do so without risk.
Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures**Personal precautions
Environmental precautions
Methods for containment
Methods for cleaning up**

Standard personal protection equipment.
Not available
Not available
For waste disposal, see section 13 of the SDS.

7. Handling and Storage**Handling**

Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage

Keep away from heat, sparks and open flame. Store in original closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls / Personal Protection**Engineering controls**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Personal protective equipment**General**

See individual sections to determine PPE needed
Use personal protective equipment as required.

Eye / face protection

Goggles. Safety glasses with side shields.

Skin protection

Long sleeved clothing. Chemical resistant apron. Gloves.

Respiratory protection

Respiratory protection is not necessary for normal handling.
Good room ventilation or use of local exhaust (fume hood) is sufficient.

General hygiene Considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties**Color**

Clear, colorless

Physical state

Liquid

Form

Viscous. Syrupy

pH

Not available

Freezing point

Not available

Boiling point

554°F, 290°C

Flash point

390°F, 199°C

Evaporation rate

Not available

Flammability limits in air, upper, % by volume

NOT DETERMINED.

Flammability limits in air, lower, % by volume

NOT DETERMINED.

Vapor pressure

1.0 @ 20°C

Vapor density

1.262 g/cm³

Specific gravity

Over 1.2 @ 25°C

RVOC

Not available

Pour point

Not available

Viscosity

Not available

Percent volatile

Not available

10. Stability & Reactivity

Chemical stability**Conditions to avoid****Incompatible materials****Hazardous decomposition Products****Possibility of hazardous Reactions**

Material is stable under normal conditions.

Store away from incompatible materials

Oxidizing agents. Acids. Acid anhydrides. Aniline. Nitrobenzene.

Carbon monoxide, carbon dioxide on burning

No dangerous reaction known under conditions of normal use.

Follow product insert guidelines.

11. Toxicological Information

Toxicological data**Sensitization****Acute effects****Carcinogenicity**

Not Determined

Not classified.

Not Available

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Not available

No data available to indicate product or any components present are mutagenic or genotoxic.

Skin corrosion/irritation**Mutagenicity**

Contains no ingredient listed as toxic to reproduction

Reproductive effects

12. Ecological Information

Ecotoxicological data**Persistence / degradability****Bioaccumulation/Accumulation****Mobility in environmental media**

Expected to be inherently biodegradable.

No data available.

No data available for this product.

13. Disposal Considerations

Waste codes**Disposal instructions****Waste from residues / unused products****Contaminated packaging**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Dispose in accordance with all applicable regulations for federal and state agencies.

Dispose of in accordance with local regulations.

Not available

14. Transport Information

Notes

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

15. Regulatory Information

US federal regulations**Reportable Quantity****CERCLA (Superfund) reportable quantity****Superfund Amendments and Reauthorization****Act of 1986 (SARA)****Section 302 extremely hazardous substance****Section 311 hazardous chemical**

None

No Data Available

None

No

No

No

16. Other Information

NFPA ratings

Health: 1

Flammability: 1

Instability: 0

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