



1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product name

Refresh

Other means of identification

Recommended use of the chemical and restrictions on use

Material Uses

Additive.

Uses advised against

Verify Applications

Details of the supplier of the safety data sheet

Manufacturer

Hangsterfer's Laboratories, Inc., 175 Ogden Road, Mantua, NJ 08051; Phone 856-468-0216, Fax 856-468-0200, Website: www.hangsterfers.com

Emergency telephone number

Emergency telephone number

Chemtrec 1-800-424-9300 in US/Canada 1-613-996-6666 in Canada For international assistance, dial Chemtrec US number 1-703-527-3887

2. Hazards Identification

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1). Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Dark blue

Physical state Liquid

Odor Mild

Hazards not otherwise classified (HNOC)

Other Information

• No known effect

3. Composition/information on Ingredients

Chemical Family

Straight Oil Type.

4. First aid measures

First aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.
Skin contact	Wash skin with soap and water. Consult a physician if necessary.
Inhalation	Remove to fresh air. Consult a physician if necessary.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Not applicable.

Unsuitable extinguishing media Not applicable.

Specific hazards arising from the chemical

None.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

Other Information Report spills as required to the appropriate authorities.

Environmental precautions

Environmental precautions No unusual hazard.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Take up mechanically, placing in appropriate containers for disposal.

7. Handling and Storage

Precautions for safe handling

Handling Avoid contact with skin and eyes. Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers.

Conditions for safe storage, including any incompatibilities

Storage	Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.
Incompatible materials	None known.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses with side-shields.
Skin and Body Protection	Use protective gloves and clothing if contact with product is likely.
Respiratory protection	If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	Dark blue	Odor threshold	No information available
Color	Dark blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.6	
Melting point / freezing point	No information available	
Boiling point	100 °C / 212 °F	
Flash point	Not flammable	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit	No unusual hazard	
Lower flammability limit	No unusual hazard	
Vapor pressure	No information available	
Vapor density	No information available	
Specific gravity	1.19	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No unusual hazard	
Decomposition temperature	No unusual hazard	
Kinematic viscosity		No information available
Dynamic viscosity	No information available	
VOC Content, % Vol	Request additional information	

10. Stability and Reactivity

Reactivity

No unusual hazard

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal use conditions.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

No additional remarks.

Incompatible materials

None known.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

11. Toxicological Information**Information on likely routes of exposure****Product Information**

Product does not present an acute toxicity hazard based on known information

Inhalation

No unusual hazard.

Eye contact

No unusual hazard.

Skin contact

No unusual hazard.

Ingestion

No unusual hazard.

Information on toxicological effects**Symptoms**

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Skin corrosion/irritation**

OECD 404 - Non-irritating and non-corrosive (rabbit).

Serious eye damage/eye irritation

No unusual hazard.

Sensitization

No known effect.

Mutagenic Effects

No known effect.

Carcinogenicity

No known effect.

Reproductive effects

No known effect.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Chronic toxicity

No known effect.

Aspiration Hazard

No unusual hazard.

Numerical measures of toxicity - Product Information**12. Ecological Information****Ecotoxicity**

No unusual hazard

Persistence/Degradability

No unusual hazard

Bioaccumulation/ Accumulation

No unusual hazard.

Other adverse effects No additional remarks

13. Disposal Considerations

Waste treatment methods

Waste Disposal Method Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Do not reuse empty containers.

14. Transport Information

DOT

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

TDG

UN-No	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

IMDG/IMO

UN-No	Not regulated
Proper shipping name	Not applicable
Hazard Class	Not regulated
Packing group	Not regulated
Labels	Not regulated
Description	Not regulated

ADR/RID

UN-No	Not regulated
Proper shipping name	Not applicable
Hazard Class	Not regulated
Packing group	Not regulated
ADR/RID-Labels	Not regulated
Description	Not regulated

IATA

UN-No	Not regulated
Proper shipping name	Not applicable
Hazard Class	Not regulated
Labels	Not regulated
Packing group	Not regulated
Description	Not regulated

PG* : Packing group

15. Regulatory information

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. Regulations & Inventories

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

No regulatory requirements found. All components of this product are either listed on the TSCA inventory or are exempt from listing requirements.

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

NFPA	HEALTH 1	Flammability 0	Instability 0	Physical hazard -
HMIS	HEALTH 1	Flammability 0	Physical Hazards 0	Personal Protection -

Issue Date 03-16-2015
Revision date 03-16-2015
Revision Summary

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS