# Safety Data Sheet

**according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS**

Revision: 17 January 2020

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### · 1.1 Product identifier

· **Trade name: Nylog Blue**
· **Product code:** RT201B

### · 1.2 Relevant identified uses of the substance or mixture and uses advised against

· **Application of the substance / the mixture:**
Lubricant
Sealant
· **Uses advised against:** No further relevant information available.

### · 1.3 Details of the supplier of the Safety Data Sheet

· **Manufacturer/Supplier:**
Refrigeration Technologies
1111 N. Armando St.
Anaheim, CA 92806
USA
+1 (714)238-9207
www.refrigtech.com

### · 1.4 Emergency telephone number:

ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)

## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**
The product is not classified as hazardous according to OSHA GHS regulations within the United States.
The substance is not classified as hazardous according to the CLP regulation.

### · 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**
The product is not classified as hazardous according to the CLP regulation.
The product is not classified as hazardous according to OSHA GHS regulations within the United States.
· **Hazard pictograms** Not Regulated
· **Signal word** Not Regulated
· **Hazard-determining components of labelling:** None.
· **Hazard statements** Not Regulated.
· **Precautionary statements** Not Regulated.
· **NFPA ratings (scale 0 - 4)**




Health = 0
Fire = 1
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

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Health = 0
Fire = 1
Reactivity = 0

· **2.3 Other hazards** There are no other hazards not otherwise classified that have been identified.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.1 Substances**
· **CAS No. Description**
Synthetic Non-Toxic Food Grade High Temperature Oil.
NSF Registration Number: 119845

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation:**
Unlikely route of exposure.
Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Clean with water and soap.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting.
Seek medical treatment in case of complaints.
· **4.2 Most important symptoms and effects, both acute and delayed**
May cause gastro-intestinal irritation if ingested.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
Carbon dioxide
ABC powder
Water haze or fog
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture**

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In case of fire, the following can be released:
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.

· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
· **Additional information:**
Eliminate all ignition sources if safe to do so.
Cool endangered receptacles with water fog or haze.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
Use personal protective equipment as required.
· **6.2 Environmental precautions**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **6.3 Methods and material for containment and cleaning up**
Towel or mop up material and collect in a suitable container.
For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.
Send for recovery or disposal in suitable receptacles.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Avoid contact with the eyes.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Requirements to be met by storerooms and receptacles:**
Avoid storage near extreme heat, ignition sources or open flame.
Protect from humidity and water.
· **Information about storage in one common storage facility:** Store away from oxidising agents.
· **Further information about storage conditions:**
Store in dry conditions.
Keep container tightly sealed.
· **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**

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The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs:** No further relevant information available.
· **PNECs:** No further relevant information available.

· **8.2 Exposure controls**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
· **Respiratory protection:**
Not required under normal conditions of use.
Use suitable respiratory protective device in case of insufficient ventilation.
NIOSH or EN approved organic vapour respirator equipped with a dust/mist prefilter should be used.
· **Protection of hands:**
Gloves not required under normal conditions of use.
Gloves are advised for repeated or prolonged contact.
Wear protective gloves to handle contents of damaged or leaking units.
· **Eye protection:** Follow relevant national guidelines concerning the use of protective eyewear.
· **Body protection:** Protective work clothing
· **Limitation and supervision of exposure into the environment:** No special requirements.
· **Risk management measures:** No special requirements.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

| | |
|---|---|
| · **Appearance** | |
| **Form:** | Viscous |
| **Colour:** | Amber coloured |
| · **Odour:** | Characteristic |
| · **Odour threshold:** | Not determined. |
| · **pH-value:** | Not determined. |
| · **Melting point/freezing point:** | Not determined. |
| · **Initial boiling point and boiling range:** | Not determined. |
| · **Flash point:** | 138 °C (280,4 °F) |
| · **Flammability (solid, gas):** | Not applicable. |
| · **Auto/Self-ignition temperature:** | Not determined. |
| · **Decomposition temperature:** | Not determined. |
| · **Explosive properties:** | Product does not present an explosion hazard. |
| · **Explosion limits** | |
| **Lower:** | Not determined. |
| **Upper:** | Not determined. |
| · **Oxidising properties** | Non-oxidising. |
| · **Vapour pressure:** | Not determined. |
| · **Density:** | |

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| | |
|---|---|
| **Relative density:** | 0,8-1,0 |
| **Vapour density:** | Not determined. |
| **Evaporation rate:** | Not determined. |
| · **Solubility in / Miscibility with water:** | Not miscible or difficult to mix. |
| · **Partition coefficient: n-octanol/water:** | Not determined. |
| · **Viscosity** | |
| **Dynamic at 40 °C (104 °F):** | 2000-3000 mPas |
| **Kinematic at 40 °C (104 °F):** | 2000-3750 mm²/sec (Estimate) |
| · **9.2 Other information** | No further relevant information available. |

## SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
· **10.4 Conditions to avoid** Sources of ignition, open flame, incompatible materials.
· **10.5 Incompatible materials** Oxidising agents
· **10.6 Hazardous decomposition products**
Under fire conditions only:
Carbon monoxide and carbon dioxide
Hydrocarbons

## SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:** Based on available data, the classification criteria are not met.
· **LD/LC50 values relevant for classification:** None.
· **Primary irritant effect**
· **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

· **Carcinogenic categories**

| · **IARC (International Agency for Research on Cancer):** |
|---|
| Substance is not listed. |

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:** Based on available data, the classification criteria are not met.
· **Reproductive toxicity:** Based on available data, the classification criteria are not met.
· **STOT-single exposure:** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
· **Aspiration hazard:** Based on available data, the classification criteria are not met.

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## SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** The product is biodegradable after prolonged adaptation.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
· **Additional ecological information:**
· **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Product is recyclable as a waste oil. Deliver unused and/or contaminated product to waste oil collectors.
When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

| | |
|---|---|
| · **14.1 UN-Number** | |
| · **DOT, ADR/RID/ADN, IMDG, IATA** | Not Regulated |
| · **14.2 UN proper shipping name** | |
| · **DOT, ADR/RID/ADN, IMDG, IATA** | Not Regulated |
| · **14.3 Transport hazard class(es)** | |
| · **DOT, ADR/RID/ADN, IMDG, IATA** | |
| · **Class** | Not Regulated |
| · **14.4 Packing group** | |

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| | |
|---|---|
| · **DOT, ADR/RID/ADN, IMDG, IATA** | Not Regulated |
| · **14.5 Environmental hazards:** | |
| · **Marine pollutant:** | No |
| · **14.6 Special precautions for user** | Not applicable. |
| · **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** | Not applicable. |

## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **United States (USA)**

· **SARA**

· **Section 302 (extremely hazardous substances):**

Substance is not listed.

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is listed or exempt.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity for females:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity for males:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **Canadian Domestic Substances List (DSL)**

Substance is listed or exempt.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

Substance is not listed.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistant, Bio-accumulable, Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative

· **Sources**
Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
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