



# Safety Data Sheet - GHS

## R-1431

Date of Revision: June 29, 2019

### Section 1 - Chemical Product and Company Identification

**Product Name** R-1431  
**Synonyms** Not available  
**Product Use** Various use, chemical intermediate, heat transfer fluid  
**Restrictions On Use** Not Applicable  
**Supplier** CFR Chemicals  
38451 Range Road 22  
County of Red Deer T4E 2N6  
**General Assistance** 1 (877) 269-3419  
**Emergency Telephone** **Not Dangerous Goods – Call General Assistance**  
**Date of Preparation of SDS** **June 22, 2018**

### Section 2 – Hazard Identification

**Signal Word** None  
**GHS Pictogram(s)** **Not Classified**

Hazard Statement: No Statements  
Precautionary Statement No Statements  
Response No Statements  
Storage No Statements  
Disposal No Statements  
**GHS Classification** **Not Classified**

**Potential Health Effects**  
**Inhalation** Not Classified  
**Skin** Not Classified  
**Eye** Not Classified  
**Ingestion** Not Classified

### Section 3 – Composition Information on Ingredients

HAZARDOUS INGREDIENT, Common Name	Hazardous Ingredient, Synonyms	PERCENT	CAS NUMBER
Sodium 4(or 5)-methyl-1H-benzotriazolide	Not Applicable	0 – 10%	64665-57-2
Silicone SAD 2001	Not Applicable	1 – 5%	Mixture

\* = Various \*\* = Mixture \*\*\* = Proprietary

### Section 4 - First Aid Measures

**Inhalation** Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

<b>Eye Contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower lids. Check for and remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	Get medical attention immediately. Call a poison control centre or physician. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so vomit does not enter the lungs. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.
<b>Most Important Symptoms/Effects both Acute and Delayed</b>	Not expected to present a significant hazard under conditions of normal use.
<b>Note to Physician</b>	No information available.

### Section 5 – Fire-Fighting Measures

<b>Flash Point (°C)</b>	Not applicable
<b>Flash Point Method</b>	PMCC
<b>Auto Ignition Temperature</b>	No data available
<b>Conditions of Flammability</b>	Not flammable or combustible.
<b>Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	Water jet.
<b>Unusual Fire/Explosion Hazard</b>	No data available.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Fire Fighting Equipment</b>	Wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.
<b>Special Precautions for Firefighters</b>	No data available.

### Section 6 – Accidental Release Measures

<b>Personal precautions</b>	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapour can accumulate in low areas.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Section 7 – Handling and Storage

<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
<b>Conditions for safe storage</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
<b>Incompatible Materials</b>	Strong Acids, Strong Bases.

### Section 8 – Exposure Controls / Personal Protection

#### Occupational Exposure Limits

Ingredient Name	Exposure Limits
Sodium 4(or 5)-methyl-1H-benzotriazolide	<b>Canada, Alberta OHSC Code</b> None established
Silicone SAG 2001	<b>Canada, Alberta OHSC Code</b> None established

#### Personal protective equipment

<b>Eye/face protection</b>	Chemical safety glasses with side shields to prevent eye contact.
<b>Skin protection</b>	Wear chemical resistant gloves, impermeable protective clothing and safety shoes. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary.
<b>General hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety. Eye wash fountains and safety showers must be easily accessible.
<b>Specific engineering controls</b>	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment.

### Section 9 – Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Water Solubility</b>	miscible
<b>Appearance &amp; Odour</b>	Clear, colourless to pale yellow. Characteristic odour.	<b>Boiling Point</b>	100°C
<b>Vapour Pressure</b>	17 mmHg (20.0°C)	<b>Boiling Point Range</b>	100°C
<b>Vapour Density</b>	>1 (Air = 1)	<b>Melting Point</b>	-10°C
<b>Specific Gravity</b>	0.970 – 1.010	<b>Freezing Point</b>	-10°C
<b>Partition coefficient (n-octonal/water)</b>	Not available.	<b>Lower Explosive Limit (LEL)</b>	Not Available
<b>pH</b>	9	<b>Upper Explosive Limit (UEL)</b>	Not Available



# Safety Data Sheet - GHS

## R-1431

Date of Revision: June 29, 2019

<b>Flashpoint (Method)</b>	Not flammable	<b>Auto Ignition temperature</b>	Not Available
<b>Odour Threshold</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flammability (Solid, Gas)</b>	Not available.		
<b>Decomposition Temperature</b>	Not available.	<b>Viscosity</b>	1 cP

### Section 10 – Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	Direct sunlight. Extremely high or low temperatures.
<b>Materials to avoid</b>	Strong acids. Strong bases.
<b>Hazardous decomposition products</b>	Carbon oxides.

### Section 11- Toxicological Information

#### Information on Likely Routes of Exposure

<b>Inhalation</b>	Not Classified
<b>Skin</b>	Not Classified
<b>Eye</b>	Not Classified
<b>Ingestion</b>	Not Classified

#### Acute toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
Sodium 4(or 5)-methyl-1H-benzotriazolide	LD50 Oral	Rat	640 – 1980mg/kg	
	LD50 Dermal	Rabbit	>2000mg/kg	
Silicone SAG 2001	No data available			

**Skin corrosion/irritation** Not classified

**Serious eye damage/ Eye irritation**  
Not classified

**Respiratory or skin sensitization**  
Not classified

**Mutagenicity** Not classified

**Carcinogenicity**  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity** Not classified

**Teratogenicity** Not classified

**Specific target organ toxicity - single exposure (Globally Harmonized System)**  
Not classified

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**  
Not classified

**Aspiration hazard** Not classified

**Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure**

**Short Term Exposure**

**Potential immediate Health Effects**      No data available.  
**Potential Delayed Health Effects**      No data available.

**Long Term Exposure**

**Potential immediate Health Effects**      No data available.  
**Potential Delayed Health Effects**      No data available.  
**Potential Chronic Effects**      No data available.

**Synergistic effects**      No data available

### Section 12 – Ecological Information

**Toxicity**

Product / Ingredient Name	Result	Species	Exposure
Sodium 4(or 5)-methyl-1H-benzotriazolide	LC 50 25mg/L	Fish – Oncorhynchus mykiss	96 Hr
	EC 50 280mg/L	Daphnia – Daphnia magna	24 Hr
Silicone SAG 2001	No data available		

**Persistence and degradability**      Not established  
**Bioaccumulative potential**      Not established  
**Mobility in soil**      No data available.  
**PBT and vPvB assessment**      No data available

### Section 13 – Disposal Considerations

**Product**

Do not discharge substance/product into sewer system. Dispose of in accordance with national, regional, and local regulations.

**Contaminated packaging**

Dispose of as unused product in a licensed facility. Recommend crushing, puncturing, or other means to prevent unauthorized use of used containers. Do not cut, weld, or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled materials and runoff and contain with soil, waterways, drains, and sewers.

### Section 14 - Transportation Information

CANADA Transportation of Dangerous Goods (TDG)  
**Not Dangerous Goods**

### Section 15 – Regulatory Information

**DSL (Canadian Domestic Substances List)**



# Safety Data Sheet - GHS

## R-1431

Date of Revision: June 29, 2019

### and CEPA (Canadian Environmental Protection Act)

All components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

### TSCA Inventory

All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

## Section 16 – Other Information

### REVISION SUMMARY:

Date of Preparation	June 22, 2018
Date of Revision	June 29, 2019

SDS Prepared by: CFR Lab Manager

CFR Chemicals Inc. provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. CFR Chemicals Inc. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, CFR CHEMICALS INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OR RELIANCE UPON THIS INFORMATION.