



Safety Data Sheet - GHS

R-4891

Date of Revision: June 29, 2019

Section 1 - Chemical Product and Company Identification

Product Name R-4891
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
Dipotassium Phosphate	Potassium Phosphate, Dibasic	5 – 30%	7758-11-4

* = 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.

Eye Contact	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.
Skin Contact	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.
Ingestion	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.
Most Important Symptoms/Effects both Acute and Delayed	Not expected to present a significant hazard under conditions of normal use.
Note to Physician	No information available.

Section 5 – Fire-Fighting Measures

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

Section 6 – Accidental Release Measures

Personal precautions	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.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Conditions for safe storage	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.
Incompatible Materials	Strong oxidizing agents. Strong acids. Strong bases.

Section 8 – Exposure Controls / Personal Protection

Occupational Exposure Limits

Ingredient Name	Exposure Limits
Dipotassium Phosphate	Canada, Alberta OHSC Code None established

Personal protective equipment

Eye/face protection	Chemical safety glasses with side shields to prevent eye contact.
Skin protection	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.
Respiratory protection	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary.
General hygiene Considerations	Handle in accordance with good industrial hygiene and safety. Eye wash fountains and safety showers must be easily accessible.

Specific engineering controls	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.
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Section 9 – Physical and Chemical Properties

Physical State	Liquid	Water Solubility	Complete
Appearance & Odour	Clear, colourless to pale yellow. Odourless.	Boiling Point	~100°C
Vapour Pressure	17 mmHg (20.0°C)	Boiling Point Range	~100°C
Vapour Density	>1 (Air = 1)	Melting Point	-10°C
Specific Gravity	1.070 – 1.100	Freezing Point	-10°C
Partition coefficient (n-octonal/water)	Not available.	Lower Explosive Limit (LEL)	Not Available
pH	9	Upper Explosive Limit (UEL)	Not Available
Flashpoint (Method)	Not flammable	Auto Ignition temperature	Not Available
Odour Threshold	Not available.	Evaporation Rate	Not available
Flammability (Solid, Gas)	Not available.		



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Decomposition Temperature Not available.

Viscosity 1 cP

Section 10 – Stability and Reactivity

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

Section 11- Toxicological Information

Information on Likely Routes of Exposure

Inhalation	Not Classified
Skin	Not Classified
Eye	Not Classified
Ingestion	Not Classified

Acute toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
Dipotassium Phosphate	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



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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
Dipotassium Phosphate	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) 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.



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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

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