



## **Heat Transfer Fluid – PG – ND**

### **1. Product and Company Identification**

Product Name Heat Transfer Fluid – PG – ND  
Synonyms Inhibited Propylene Glycol  
D22405  
SDS Number  
Company Identification Wausau Chemical Corporation  
9919 Innovation Way  
Wausau, WI 54401  
Telephone Wausau Chemical Corporation – 715.842.2285  
CHEMTREC – 800.424.9300

*NFPA diamond and HMIS ratings for this product may be found in section 16 of this Safety Data Sheet.*

### **2. Hazards Identification**

Form Liquid  
Color Clear, colorless  
Odor Odorless  
OSHA/HCS Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
GHS Classification Not classified  
Pictogram None  
Signal Word None  
Hazard Statement(s) Not considered hazardous  
Precautionary Statement(s) Not applicable

#### **Potential Acute Health Effects**

Inhalation May cause respiratory tract irritation.  
Ingestion May be harmful if swallowed.  
Skin May cause skin irritation on repeated or prolonged contact.  
Eyes May cause eye irritation.

**See section 11 for more detailed information on health effects and symptoms**

### **3. Composition/Information on Ingredients**

<b><u>Ingredient Name</u></b>	<b><u>CAS Number</u></b>	<b><u>WT %</u></b>
Propylene Glycol	57-55-6	95.0
Dipotassium Phosphate	7758-11-4	< 5.0
Deionized Water	7732-18-5	Balance

### **4. First Aid Measures**

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if irritation develops.  
Skin Contact Wash off with soap and plenty of water. Consult a physician if irritation develops.  
Inhalation If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.



Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Protection of First Aid Personnel	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If it is suspected that dust, vapor, mist, or gas are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

### 5. Fire-fighting Measures

Flammability of the Product	Not flammable or combustible
Flash Point (Method)	215 °F (101 °C) – (tag open cup)
Auto Ignition Temperature	None

#### Extinguishing Media

Suitable	Water spray, alcohol-resistant foam (preferred), dry chemical, or carbon dioxide.
Not Suitable	No data available.
Special Fire-fighting Procedures & Hazards	Wear chemical protective clothing and positive pressure self-contained breathing apparatus. Approach upwind to avoid toxic vapors.
Unusual Fire & Explosion Hazards	None known.

### 6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Do not let product enter drains.
Spill	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Storage	Keep container tightly closed in a dry and well-ventilated place.

### 8. Exposure Controls/Personal Protection

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Propylene Glycol	Not established	Not established
Dipotassium Phosphate	Not established	Not established
Engineering Measures	Use mechanical ventilation such as dilution and local exhaust. Supply ample air replacement.	
Hygiene Measures	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.	
Respiratory	If airborne concentrations are above the applicable exposure limits, use NIOSH-approved respiratory protection. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134).	
Eyes and Face	Wear safety glasses with side shields (or goggles) and a face shield.	
Skin	Wear chemically impervious gloves, made of any waterproof material. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.	



## 9. Physical and Chemical Properties

Appearance	Clear, colorless liquid
Odor	Odorless
pH	10.3 – 10.7
Water Solubility	Complete
Vapor Density (air = 1)	Not determined
Evaporation rate (butyl acetate = 1)	Not determined
Boiling Point	212-320 °F (100-160 °C)
Freezing Point	-60 °F (-51 °C)
Specific Gravity (@ 70 °F)	1.055
Vapor Pressure	Not determined
Volatile Organic (VOC) Content	Not applicable

## 10. Stability and Reactivity

Stable:	X	Unstable:		Hazardous Polymerization:		Occurs:		Does Not Occur:	X
Conditions to Avoid	None known.								
Materials to Avoid	None known.								
Decomposition Products	Not known.								

## 11. Toxicological Information

Eye	May cause eye irritation.	
Propylene Glycol	Serious eye damage/eye irritation: Mild eye irritation – rabbit	
Dipotassium Phosphate	No data available	
Dermal	May cause skin irritation on repeated or prolonged contact.	
Propylene Glycol	LD50 – rabbit – 20,800 mg/kg Skin corrosion/irritation: Mild skin irritation – human – 7 d	
Dipotassium Phosphate	No data available	
Inhalation	May cause respiratory tract irritation.	
Propylene Glycol	No data available	
Dipotassium Phosphate	No data available	
Oral	May be harmful if swallowed.	
Propylene Glycol	LD50 (rat) – 20,000 mg/kg	
Dipotassium Phosphate	No data available	
Chronic Effects		
Carcinogenicity	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, NTP, or ACGIH.	
Signs and Symptoms of exposure	Gastrointestinal disturbance, nausea, headache, vomiting, central nervous system depression.	



## 12. Ecological Information

Biodegradability	No data available
Ecotoxicity	Toxicity to fish: Mortality NOEC – pimephales promelas (fathead minnow) – 52,930 mg/l – 96 hr. Toxicity to aquatic invertebrates: Mortality NOEC – daphnia – 13,020 mg/l – 48 hr. EC50 – daphnia magna (water flea) – > 10,000 mg/l – 48 hr.

## 13. Disposal Considerations

Waste Disposal	Offer surplus and non-recyclable solutions to a licensed disposal company.
RCRA	This material is not listed as a hazardous waste if and when it is discarded. <b>Note:</b> If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal.

## 14. Transportation

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

<u>US DOT 49 CFR 172.101</u>	<u>Non-bulk Shipments (Drums/Totes)</u>	<u>Bulk Shipments (Tank Trucks/Rail Cars)</u>
Proper Shipping Name	Not applicable	Same
Hazard Class	Not applicable	Same
Identification Number	Not applicable	Same
Packing Group	Not applicable	Same
Reportable Quantities	Not applicable	Same
Placards/Labels	Not applicable	Same

## 15. Regulatory Information

CERCLA / SARA Emergency Reporting	This material is not listed for required reporting.
SARA Title III Section 313	This material is not listed for required reporting.
Clean Water Act (CWA) Section 311	This material is not listed for required reporting.
TSCA – Toxic Substances Control Act	All components of this product are listed as “Active” on the Toxic Substances Control Act (TSCA) 8(b) Inventory. Except for Dipotassium Phosphate CAS – 7758-11-4.
RCRA – Resource Conservation and Recovery Act	The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA’s four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal. <b>Not listed as hazardous waste.</b>
<b>State Regulations</b>	
Massachusetts	<b>RTK Substances:</b> The following components are listed: Not listed
New Jersey	<b>RTK Substances:</b> The following components are listed: Propane-1,2-diol (CAS# 57-55-6), Dipotassium hydrogenorthophosphate (CAS# 7758-11-4)
Pennsylvania	<b>RTK Substances:</b> The following components are listed: Propane-1,2-diol (CAS# 57-55-6), Dipotassium hydrogenorthophosphate (CAS# 7758-11-4)



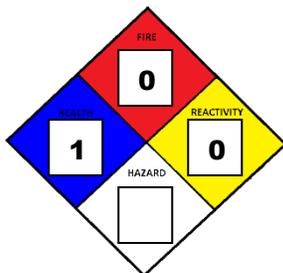
California

Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**16. Other Information**

Date of Issue 10/2/2013 | 9/8/2016-updated GHS classification and statements, section 2 (ST) | 09/11/2019 – update TSCA statement, section 15 (RP) | 3/8/2021-updated address, section 1 (ST)

NFPA



HMIS

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PPE</b>	

Caution: NFPA and HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

The customer is responsible for determining the PPE code for this material.

**Notice to Reader**

The information contained herein is given in good faith, but no warranty, representation, inducement, or license of any kind is made, except that the information is accurate to the best of Wausau Chemical Corporation's knowledge, or is obtained from sources believed by Wausau Chemical Corporation to be reliable and accurate. Wausau Chemical Corporation does not assume any legal responsibility for use or reliance upon the information being furnished. Customers are encouraged to conduct their own tests. Before using any product, read the container label directions, as well as, the Safety Data Sheet.