



# SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 08-Jul-2024

Revision Date 08-Jul-2024

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Tap Magic H2OX NC Semi-Synthetic Coolant

### Other means of identification

**Product Code(s)** 880128NC, 880640NC, 887040NC, 885200NC

**Synonyms** Coolant, MWF, Metalworking

### Recommended use of the chemical and restrictions on use

**Recommended use** Cutting fluid  
Metalworking

**Restrictions on use** Use only for intended applications

### Details of the supplier of the safety data sheet

#### Initial supplier identifier

KAR Industrial Inc.  
6877 Edwards Blvd.  
Mississauga, ON L5T 2T9  
Canada

#### Manufacturer Address

The Steco Corporation  
2330 Cantrell Road  
Little Rock, AR 72202  
Phone: 501-375-5644

**E-mail** steco@tapmagic.com

### Emergency telephone number

**Emergency telephone** Call ChemTel LLC for emergency service 24 hours a day  
(800) 255-3924 (North America)  
+1 (813) 248-0585 (International)

## 2. Hazard(s) identification

### Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
---	------------

### Label elements

#### **Warning**

#### **Hazard statements**

Harmful if inhaled.

**Precautionary Statements - Prevention**

Avoid breathing dust, fume, gas, mist, vapors and spray.  
Use only outdoors or in a well-ventilated area.

**Precautionary Statements - Response****Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor if you feel unwell.

**Unknown acute toxicity**

28.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Other information**

Causes mild skin irritation.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture****Synonyms**

Coolant, MWF, Metalworking

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	1-5	-	-
2,4-Pentanediol, 2-methyl-	107-41-5	1-5	-	-

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

**Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

**Inhalation**

Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids.

**Skin contact**

Wash skin with soap and water.

**Ingestion**

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.

**Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

#### **Most important symptoms and effects, both acute and delayed**

**Symptoms** Prolonged contact may cause redness and irritation. Coughing and/ or wheezing. Difficulty in breathing.

**Effects of Exposure** No information available.

#### **Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

### **5. Fire-fighting measures**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Water spray jet.

**Specific hazards arising from the chemical** May burn if exposed to high temperature.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>), Carbon oxides, Nitrogen oxides (NO<sub>x</sub>).

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### **6. Accidental release measures**

#### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Avoid breathing vapors or mists. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

#### **Methods and material for containment and cleaning up**

**Methods for containment** Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### **7. Handling and storage**

#### **Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**8. Exposure controls/personal protection****Control parameters**

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	
2,4-Pentanediol, 2-methyl-107-41-5	TWA: 25 ppm vapor fraction STEL: 50 ppm vapor fraction STEL: 10 mg/m <sup>3</sup> inhalable particulate matter, aerosol only	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup>	
Chemical name	Alberta	British Columbia	Ontario	Quebec
2,4-Pentanediol, 2-methyl-107-41-5	Ceiling: 25 ppm Ceiling: 121 mg/m <sup>3</sup>	Ceiling: 25 ppm	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 121 mg/m <sup>3</sup>

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
2,4-Pentanediol, 2-methyl-	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m <sup>3</sup>	Ceiling: 25 ppm	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m <sup>3</sup>	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m <sup>3</sup>

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
2,4-Pentanediol, 2-methyl-	Ceiling: 25 ppm	TWA: 25 ppm STEL: 50 ppm STEL: 10 mg/m <sup>3</sup>	Ceiling: 25 ppm	

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Do not eat, drink or smoke when using this product.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

Physical state	Liquid
Color	Orange
Odor	No information available
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10	
Melting point / freezing point	-11 °C / 12.2 °F	
Initial boiling point and boiling range	100 °C / 212 °F	
Flash point	> 100 - 37.7778 °C / > 212 - 100 °F	PMCC
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure		No data available
Relative vapor density		No data available
Relative density		No data available
Water solubility	Soluble in water	
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity	56 @40°C (104°F) Pa-s	
<u>Other information</u>		
Explosive properties	No information available.	
Oxidizing properties	No information available.	
Softening point	No information available	
Molecular weight	No information available	
VOC content	0.22 lbs/ga	
Liquid Density	No information available	
Bulk density	No information available	

## 10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Excessive heat.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components).
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Prolonged contact may cause redness and irritation. Coughing and/ or wheezing.

**Acute toxicity** Harmful by inhalation.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document:

**ATEmix (inhalation-dust/mist)** 1.17 mg/l

**Unknown acute toxicity**

28.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy naphthenic	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
2,4-Pentanediol, 2-methyl-	= 3700 mg/kg ( Rat )	= 12300 mg/kg ( Rabbit )	> 310 mg/m <sup>3</sup> ( Rat ) 1 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The classification listed below for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	A2	Group 1	Known	X

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

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

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen  
**Occupational Safety and Health Administration of the US Department of Labor**  
 X - Present

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**12. Ecological information**

**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
2,4-Pentanediol, 2-methyl- 107-41-5	-	LC50: 10500 - 11000mg/L (96h, Pimephales promelas) LC50: =10000mg/L (96h, Lepomis macrochirus) LC50: =8690mg/L (96h, Pimephales promelas) LC50: =10700mg/L (96h, Pimephales promelas)	-	EC50: 2700 - 3700mg/L (48h, Daphnia magna)

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

**Component Information**

Chemical name	Partition coefficient
2,4-Pentanediol, 2-methyl- 107-41-5	0.14

**Mobility** No information available.

**Other adverse effects** No information available.

**13. Disposal considerations**

**Disposal methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**14. Transport information**

**DOT** Not regulated**TDG** Not regulated**IATA** Not regulated**IMDG** Not regulated**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations****The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable**The Stockholm Convention on Persistent Organic Pollutants** Not applicable**The Rotterdam Convention** Not applicable**International Inventories****TSCA**

Contact supplier for inventory compliance status.

Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Water	7732-18-5	Present	Active
Fatty acid diisopropanolamide	405160-18-1	Present	Active
Triethanolamine	102-71-6	Present	Active
2,4-Pentanediol, 2-methyl-	107-41-5	Present	Active
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	Present	Active
TOFA 28%	68201-37-6	Present	Active
Glycol Ether	929-06-6	Present	Active
Diisopropanolamine	110-97-4	Present	Active
Benzyl benzoate	120-51-4	Present	Active
Vanillin	121-33-5	Present	Active
Acid Orange 24 (Disazo)	1320-07-6	Present	Active

**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**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**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.

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6	X	X	X
2,4-Pentanediol, 2-methyl- 107-41-5	X	X	X
Glycol Ether 929-06-6	X	X	-
Diisopropanolamine 110-97-4	-	X	X

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## 16. Other information

**NFPA** Health hazards 3      **Flammability** 1      **Instability** 0      **Special hazards** -  
**HMIS** Health hazards 2      **Flammability** 1      **Physical hazards** 0      **Personal protection** X  
 Chronic Hazard Star Legend

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend

SVHC: Substances of Very High Concern for Authorization:  
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances  
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances  
 STOT: Specific Target Organ Toxicity  
 ATE: Acute Toxicity Estimate  
 LC50: 50% Lethal Concentration  
 LD50: 50% Lethal Dose

#### Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitizers		

### Key literature references and sources for data used to compile the SDS

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Issuing Date** 08-Jul-2024

**Revision Date** 08-Jul-2024

**Revision Note** Initial Release.

**Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**