

**Section 1 - Identification**Product Name: **Northern Tank Cleaner**

Revised: 5/12/15

A liquid alkaline detergent.

<b>Northern Radiator</b> <b>2701 4<sup>th</sup> Ave SW</b> <b>Willmar, MN 56201</b> <b>U.S.A.</b>	<b>1-800-328-8900</b> <b>1-320-235-2288</b> <b>1-320-235-2297 Fax</b> <b>northern@1nfs.com</b>	<b>24 HOUR EMERGENCY RESPONSE</b> <b>1-800-255-2924 (U.S. &amp; Canada)</b>
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**Section 2 - Hazards Identification**

Hazard categories: Skin Corrosion/Irritation 2; Eye Damage/Irritation 2A

Signal word: Warning

Hazard statements: Causes skin irritation and serious eye irritation.

Pictogram: Corrosion

Precautionary statements

Prevention

Wash hands thoroughly after handling.

Wear protective gloves such as rubber or latex.

Wear eye protection such as safety glasses with side shields.

Response**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.**IF ON SKIN (or hair):** Wash with plenty of water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention.Storage: None. Disposal: None.**Section 3 - Composition / Information on Ingredients**

None of the ingredients are reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

**Section 4 - First Aid Measures****Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. If eye irritation persists: Get medical attention.**Skin Contact:** Immediately flush exposed skin with running water. Remove contaminated clothing and shoes immediately. If irritation persists, get medical attention. Wash contaminated clothing before reuse.**Inhalation:** Move the affected person to fresh air. If irritation persists get medical attention.**Ingestion:** If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. Get medical attention immediately.**Section 5 - Fire-Fighting Measures****Extinguishing Media:** Any**Special Fire Fighting Procedures:** None.**Unusual Fire And Explosion Hazards:** None.**Section 6 - Accidental Release Measures****Steps To Be Taken If Material Is Released Or Spilled:** Clean up with a rag or mop or use absorbent material.**Section 7 - Handling and Storage**

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

**Section 8 - Exposure Controls / Personal Protection**

None of the ingredients have known exposure limits or they are below OSHA reportable levels.

**Ventilation:** Normal room ventilation.**Respiratory Protection:** None when used as directed. If any of the above airborne limits will be exceeded use a NIOSH approved respirator with an organic vapor cartridge.**Gloves:** Use rubber or latex gloves when handling concentrate. Disposable latex gloves may be used.**Eye Protection:** Use safety glasses with side shields when handling concentrate.**Other Protective Equipment:** An eyewash station should be located within 10 seconds travel time of concentrate use/mixing area.

## Section 9 - Physical and Chemical Properties

<b>Appearance and Odor:</b> Yellow-green liquid with sharp odor.	
<b>Odor Threshold:</b> Not Available	<b>Vapor Pressure:</b> Not Available
<b>pH:</b> concentrate 12.2 ± 0.5	<b>Vapor Density:</b> Not Available
<b>Melting Point:</b> Not Available	<b>Relative Density (Specific Gravity):</b> 1.12
<b>Freezing Point:</b> Not Available	<b>Solubility(ies): Water:</b> 100%
<b>Boiling Point, Initial:</b> 213° F.	<b>Partition coefficient:</b> Not Available
<b>Boiling Range:</b> Not Available	<b>Auto-ignition Temperature:</b> Not Available
<b>Flash Point:</b> Over 150° F. (ASTM D-56 closed cup)	<b>Decomposition Temperature:</b> Not Available
<b>Evaporation Rate:</b> ~1 (Water = 1)	<b>Viscosity:</b> Same as water.
<b>Flammability: (solid, gas):</b> Not Available	<b>Volatiles Percent:</b> 92%
<b>Upper Explosive Limit:</b> Not Available	<b>V.O.C.:</b> 0.3 % - 3.5 g/l
<b>Lower Explosive Limit:</b> Not Available	

## Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

## Section 11 - Toxicological Information

**Primary Routes of Entry:**  Skin contact;  Skin absorption;  Inhalation;  Ingestion

### Potential Health Effects:

**Eyes** - causes serious eye irritation.

**Skin** - causes skin irritation. Prolonged contact with concentrate may cause skin damage. There is little or no effect if rinsed off thoroughly right away.

**Swallowing** - causes irritation to mucous membranes.

**Breathing** - none when used as directed.

**LD<sub>50</sub>:** ~50,000 mg/kg

## Section 12 - Ecological Information

When cleaning outdoors or where run-off will enter a storm sewer, flood the cleaned area with plenty of water to dilute and reduce the pH of the run-off. Do not use more product than necessary. Do not dispose of unusable product in the environment. Be sure to comply with any applicable regulations.

## Section 13 - Disposal Considerations

**Waste Disposal Method:** Up to 10 gallons of concentrate may be disposed of in the sanitary sewer with a large amount of water. Larger amounts must be neutralized to the pH limits of your waste water treatment system.

## Section 14 - Transport Information

**D.O.T. Hazard Class:** Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

## Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

## Section 16 - Other Information

**NFPA:** H:1 F:0 I:0 **HMIS® III:** H:2 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 11/11/14. GHS conversion.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.