



MATERIAL SAFETY DATA SHEET

Wynn's Professional Products Radiator Treatment (Japan)

WYNN'S
A division of Illinois Tool Works Inc.
1151 West Fifth Street
Azusa, California 91702

EMERGENCY TELEPHONE NUMBER:
Chemtrec (800) 424-9300
INFORMATION TELEPHONE NUMBER:
Wynn's (626) 334-0231

PRODUCT IDENTIFICATION

PRODUCT NAME	EFFECTIVE DATE	PRODUCT CODE
Wynn's Professional Products Radiator Treatment (Japan)	11-14-97	51518
CHEMICAL NAME	CAS NUMBER	
N/A	N/A	

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	%	OSHA PEL	ACGIH TLV-TWA
Sodium Nitrite	Nitrous acid sodium salt	7632-00-0	1-5	Not Established	Not Established
Caustic Soda	Sodium Hydroxide	1310-73-2	<1	2 mg/m ³	2 mg/m ³

Contains no other ingredients now known to be hazardous as defined by OSHA 29CFR 1910.1000(z) and 29CFR 1910.1200.

PHYSICAL DATA

These data are approximate or typical values and should not be used as precise specifications. Unless otherwise noted values are at 20°C(68°F) and 760 mmHg (1 atm).

Boiling Point/Range	212°F(100°C)	Freeze Point	32°F(0°C)
Specific Gravity (H₂O=1) @ 15.6°C	1.08	Vapor Pressure (mm Hg)	N/A
Vapor Density (Air =1)	N/A	Solubility in Water (%)	100
% Volatiles by Volume	86.5	Evaporation Rate (Butyl Acetate = 1)	N/A
pH (as is)	11.7	pH (dilute) @ 5 %	10.8
Appearance	Clear, green liquid	Odor	Odorless

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point No Flash °F(°C) **Method**

Flammable or Explosive Limits (Approximate percent by volume in air)

Lower (LEL) N/A Upper (UEL) N/A

Hazard Class Identification

	Flammability 0		Hazard Code 0 - Least (insignificant)
Health 2		Reactivity 2	1 - Slight
	Other --		2 - Moderate
			3 - High
			4 - Extreme

Extinguishing Media

Water, water spray, dry chemicals, foam.

Special Fire Fighting Procedures

Use water to cool fire exposed containers. Fire fighters wear a self contained breathing apparatus.

Unusual Fire and Explosion Hazards

None Indicated.

REACTIVITY DATA

Stability

Stable.

Conditions to Avoid

Flammable hydrogen gas may be produced on prolonged contact with aluminum, tin, lead, and zinc containers. Avoid storing in such containers.

Materials to Avoid

Strong acids, ammonium salts and oxidizing materials.

Hazardous Decomposition or Combustion Products

Thermal decomposition may produce oxides of carbon, sodium and nitrogen.

Hazardous Polymerization (conditions)

Will not occur.

HEALTH HAZARDS/ROUTES OF ENTRY

Signs, Symptoms and Effects of Overexposure

Ingestion (swallowing) May be harmful if swallowed. May cause irritation to the digestive tract.

Skin Contact May absorb on prolonged exposure. May cause irritation and defatting of the skin.

Eye Contact May cause irritation, burning, redness and blurred vision.

Inhalation (breathing) No effect.

Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion (swallowing) DO NOT induce vomiting. Give water and call a physician immediately.

Skin Contact Wash affected area with soap and water. Remove contaminated clothing.

Eye Contact Flush with water for 15 minutes. If irritation persists call for medical help.

Inhalation (breathing) Remove person to fresh air to avoid further inhalation.

Comments NOTE TO PHYSICIANS: Treatment should be based on symptoms and clinical condition.

SPILL OR RELEASE CONTROL PROCEDURES

Steps to be taken in case material is released or spilled

Small spills absorb with inert absorbent material. Shovel into waste containers. Prevent product from entering drinking water supplies and sewer.

Waste Disposal Method

In compliance with all Federal, State, and Local regulations.

EPA Reportable Quantity (RQ), 40CFR302 (CERCLA104)

Sodium Nitrite (100 lbs), Sodium Hydroxide (1000 lbs.).

EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

Chemical	CAS NO.	% in Product
Sodium Nitrite	7632-00-0	1-5

HANDLING AND STORAGE

Handling and Storage Precautions

CAUTION: Alkaline liquid. May be harmful if swallowed. Avoid skin and eye contact. Avoid freezing. DO NOT store in opened containers. Use entire contents.

Other Precautions

KEEP OUT OF REACH OF CHILDREN!

PERSONAL PROTECTION - EXPOSURE CONTROL

Ventilation

None required.

Respiratory Protection

None required.

Eye Protection

Safety glasses.

Protective Gloves

Rubber, plastic gloves.

Other Protective Clothing or Equipment

Eye wash station.

Work/Hygienic Practices

Personal cleanliness is always appropriated. Frequent washing minimizes inadvertent exposure.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Classification

	Flammable Liquid	X	Corrosive
	Flammable Solid		Non-Flammable Gas
	Flammable Gas		Not Hazardous by DOT
	Combustible Liquid		Other:

DOT Proper Shipping Name

Corrosive Liquid, N.O.S. (Contains Sodium Hydroxide)

DOT ID Number

UN1760

DOT Packing Group

II

DOCUMENTATION

Product Code No.: 51518
Previous Code No.: 51518

Issue Date: 11-08-05
Prior Date: 11-14-97

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