



MATERIAL SAFETY DATA SHEET

Wynn's Universal Radiator Treatment

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 Universal Radiator Treatment	1-10-08	A4601, A4607
CHEMICAL NAME	CAS NUMBER	
N/A	N/A	

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV-TWA
Sodium Nitrate	Nitric acid sodium salt	7631-99-4	Not Established	Not Established
Potassium hydroxide	Potassium hydroxide	1310-58-3	Not Established	2 mg/m3 ceiling

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	1.07	Vapor Pressure (mm Hg)	N/A
Vapor Density (Air =1)	N/A	Solubility in Water (%)	100
% Volatiles by Volume	N/D	Evaporation Rate (Butyl Acetate = 1)	N/A
pH (as is)	12	pH (dilute) @ 5 %	10.6
Appearance	Clear, yellow 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		Hazard Code
	0		0 - Least (insignificant)
Health		Reactivity	1 - Slight
2		2	2 - Moderate
	Other		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, organic materials and reducing agents.

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, defatting, burning, redness, stinging of the skin.

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

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

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)

Potassium Hydroxide (1000 lbs)

EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

Chemical	CAS NO.	% in Product
N/A	N/A	N/A

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)

Corrosive Liquid, N.O.S. (Contains Potassium Hydroxide), 8, UN1760, II

(Consumer Commodity, ORM-D may be used for ground transportation within the USA)

Air (IATA)

Corrosive Liquid, N.O.S. (Contains Potassium Hydroxide), 8, UN1760, II

Ocean (IMDG) Shipments

Corrosive Liquid, N.O.S. (Contains Potassium Hydroxide), 8, UN1760, II Limited Quantities

DOCUMENTATION

Product Code No.: A4601, A4607
Previous Code No.: A4601

Issue Date: 1-10-08
Prior Date: 8-23-07

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