

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	WHITE & TIRE CLEANER
Product Number	440
Product Type	Mixture
Product Use	Cleaner for white sidewall tires.
Manufacturer/Supplier	National Purity 6840 Shingle Creek Parkway, Suite #23 Brooklyn Center, MN 55430
Company Contact	612-672-0022
Emergency Telephone Number	1-800-255-3924

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Flammable liquid, (Category 4) H227
Skin corrosion/irritation, (Category 2) H314,
Respiratory irritation (Category 3) H335, H336
Acute aquatic toxicity, (Category 3) H402

GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard Statements

H227 Combustible
H314 Causes severe skin burns and eye damage.
H335, H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H402 Harmful to aquatic life.

Precautionary Statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames, ignition sources. No smoking.
P260 Do not breathe mist, vapors, or spray.
P264 Wash hands and exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well ventilated area.
P273 Avoid release to the environment.

Response

P370+P378
 P303+361+P353+P363

P310
 P301+ P330+P331
 P305+P351+P338+P310

P304+P340
 P312

Storage/Disposal

P403+P233+P235
 P405
 P501

In case of fire, use carbon dioxide, dry chemical foam or water spray.
 IF ON SKIN, immediately take off all contaminated clothing. Rinse skin with water or shower if appropriate. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.
 IF SWALLOWED: Rinse mouth. DO NOT INDUCE VOMITING.
 IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present. Continue rinsing. Immediately call a POISON CENTER/doctor.
 IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if experiencing difficulty breathing or feeling unwell.

Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up.
 Dispose of contents/container in accordance with local, state and federal regulations.

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Sodium metasilicate pentahydrate	10213-79-3	H302, H314, H318, H335, H402	4-8%
(Nonylphenoxy) polyethylene oxide	9016-45-9	H320, H313, H401	2-6%
Isopropyl alcohol	67-63-0	H225, H319, H336	1-4%
Ethylene glycol monobutyl ether	111-76-2	H227, H316, H320	0-4%

4. First Aid Measures

Description of First Aid Procedures

General Advise

Consult a physician. Show this SDS to the doctor.

In Case of Eye Contact

Flush with cool running water for 15 minutes. Remove contact lenses if possible. Get immediate medical attention.

**In Case of Skin Contact
 If Ingested**

Flush with cool water. Get medical attention.
 Rinse mouth. **Do not induce vomiting.** Obtain medical attention if feeling unwell. Never give anything by mouth to an unconscious person.

If Inhaled

Move person to fresh air. If breathing difficulty persists, consult a physician.

Notes to Physician

Symptoms may be delayed.

General advice

Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties

Combustible

Extinguishing media

Use carbon dioxide, dry chemical, foam or water spray.

Protection of firefighters

Firefighters should wear protective clothing including self contained breathing apparatus

Hazardous combustion products

May include and not limited to oxides of carbon.

Unusual Fire, Explosion hazards

Containers may melt or rupture from heat of fire.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
Methods for containment	Prevent entry into waterways, sewers.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be mopped up placed in a container for disposal. Large spills: dike with suitable material and prevent discharge into waterways. Spill may be absorbed with non reactive material and placed in a suitable container for disposal. Residues can be rinsed with water and passed to sanitary sewer. Dispose of contents/containers in accordance with local, state, and federal regulations.

7. Handling and Storage

Precautions for Safe Handling	Use good industrial hygiene practices when handling this material. Wash contaminated clothing before reuse.
Conditions for Safe Storage	Keep container closed when not in use. Keep out of reach of children. Store in a cool dry place.

8. Exposure Controls and Personal Protection

Exposure Limits			
Ingredients	CAS#	OSHA PEL	ACGIH TLV
Sodium metasilicate	10213-79-3	15 mg/ phosphate·12H ₂ O	Not available
(Nonylphenoxy)polyethylene oxide	9016-45-9	Not available	Not available
Isopropyl alcohol	67-63-0	400 ppm TWA, 980 mg/m ³ PEL	Not available
Ethylene glycol monobutyl ether	111-76-2	Not available	Not available
Engineering controls	Exhaust ventilation recommended		
Personal protective equipment			
Eye/Face protection	Wear goggles or safety glasses with side shields if splash conditions exist.		
Hand protection	Wear rubber or neoprene safety gloves.		
Skin and body	As required by employer code.		
Respiratory protection	Use a NIOSH approved respirator when exposure guidelines are exceeded.		
General hygiene considerations	Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.		

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance/form	Clear liquid
Color	Colorless
Odor	Solvent/alcohol
Odor threshold	Not established
pH	> 12.5 (concentrate)
Melting/freezing point	Not established
Initial Boiling point	>212° F. (100° C.)
Flash point	165° F. (74° C.) Estimate.
Evaporation rate	Not established
Flammability	Combustible
Upper/lower flammability or	Not established

Explosive limits	Not established
Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	Not established
Vapor density	Not established
Solubility in water	Complete
VOC	< 3.0%
% Volatile	≈ 86.0%

Other Safety Information

10. Stability and Reactivity

Reactivity	
Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	None known
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong acids, strong oxidizing agents and amines.
Hazardous decomposition products	May include but not limited to oxides of carbon, phosphorous, and nitrogen.
Hazardous polymerization	Will not occur

11. Toxicological Information

Ingredients	LC50
Sodium metasilicate	Not available
(Nonylphenoxy) polyethylene oxide	Not available
Isopropyl alcohol	16000 ppm (inhalation rat- 8 hours)
Ethylene glycol monobutyl ether	Not available
Ingredients	LD50
Sodium metasilicate	1153 mg/kg (Oral-Rat), 770 mg/kg (Oral-mouse)
(Nonylphenoxy) polyethylene oxide	3310 mg/kg (Oral-rat), >2000mg/kg (Dermal-rabbit)
Isopropyl alcohol	5,045 mg/kg (Oral-rat), 12,800 mg/kg (Dermal-rabbit)
Ethylene glycol monobutyl ether	Not available
Effects of acute exposure	
Eye	Will cause serious eye irritation/damage.
Skin	Will cause sever skin burns.
Ingestion	May cause irritation to mouth, throat and stomach.
Inhalation	May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Sensitization	Not known.
Chronic effects of short and long Term exposure	Prolonged exposure to skin may cause drying, defatting and irritation.
Carcinogenicity	Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.
Mutagenicity	No data available.
Reproductive effects	No data available.
Teratogenicity	No data available.

12. Ecological Information

Eco-toxicity Ecological effects for this product have not been analyzed. However, if spilled this product and any contaminated soil may be harmful to aquatic life. Sodium metasilicate is harmful to aquatic life in very low concentrations.

Sodium metasilicate	LC50 (Mosquito fish) = 530mg/L. LC50 (Waterflea) 48 hours = 113mg/L
(Nonylphenoxy) polyethylene	LC50 Fish: 10mg/l 96 hours
Isopropyl alcohol	LC50 Fathead minnow: 9,640 mg/l 24 hours EC50 Daphnia magna (water flea) 5,102 mg/l 24 hours EC50 Algae : > 1000 mg/l 24 hours
Ethylene glycol monbutyl ether	Not available

Environmental effects	Not Available
Aquatic toxicity	
Nonylphenoxy polyethylene oxide	LC 50 Fish: 10mg/L 96 hours
Persistence and Degradability	
Sodium metasilicate	Will persist in aquatic and terrestrial systems
Bioaccumulation/accumulation	No data available.
Partition coefficient	No data available.
Mobility in environmental media	No data available.
Chemical fate information	No data available.
Other adverse effects	No data available.

13. Disposal Considerations

Waste codes	Not Available
Disposal instructions	Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused product	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:	
Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s.(contains sodium metasilicate pentahydrate)
Hazard class	8
UN number	UN3266
Packing group	PG III
Special provisions	
Packaging exceptions	49CFR173.154 Limited quantity. Inner packaging not over 1 gallon is excepted from labeling requirements.

15. Regulatory Information

U.S federal regulations	This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA. HCS 2012
TSCA	All ingredients are listed on the Toxic Substances Control Act.
Cercla SuperFund 40CFR117.302 Ethylene glycol monobutyl ether	This product does contain a material with a Reportable Quantity (RQ) RQ = 5000 Lbs.
SARA Title III Section 311&312	Immediate (Acute) Health Hazard: Sodium metasilicate pentahydrate CAS#10213-79-3 (Nonylphenoxy) polyethylene oxide CAS#9016-45-9 Isopropyl alcohol CAS#67-63-0 Ethylene glycol monobutyl ether CAS#111-76-2
SARA Title III Section 313	Product does contain substances on the list of Toxic Chemicals per 40CFR372 Isopropyl alcohol, Ethylene glycol monobutyl ether
California proposition 65	This product may contain trace amounts of chemicals known to the State of California to cause cancer: Ethylene oxide CAS#72-1-8.

States Right to Know

Reportable chemicals:
Sodium metasilicate pentahydrate,
Isopropyl alcohol
Ethylene glycol monobutyl ether CAS#111-76-2

Inventory Status

Countries	Inventory Name	On Inventory (Yes/No)*
U.S.	CIL	Yes
Canada	DSL	Yes

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS Legend

Severe	4	Health	2
Serious	3	Flammability	1
Moderate	2	Reactivity	0
Slight	1	Personal Protection	B
Minimal	0		

Disclaimer

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