

OSHA Hazard Communication Standard 29 CFR 1900.1200  
Prepared to GHS Rev. 4

**SAFETY  
DATA SHEET**

**SECTION 1- CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Name:** T.S.W. Non-Acid Wheel Cleaner  
**Product Use:** Brake, Wheel and Whitewall Cleaner  
**Use Restrictions:** For Industrial and Professional Use Only  
**Supplier:** Wesmar Products Inc.  
10729 47th Ave. W. Mukilteo, WA 98275  
Phone:(425) 405-1405

**Transportation Emergency:** Emergency Response- PERS Chemical (800) 728-2482

**SECTION 2- HAZARDS IDENTIFICATION**

- 1) GHS Classification of the substance or mixture:**  
Skin corrosion/irritation- Category 1A  
Serious eye damage/eye irritation- Category 2A  
Acute toxicity, oral- Category 4  
Hazardous to the aquatic environment, acute hazard- Category 3

**2) Label Elements:**



**Signal Word:** Danger

- Hazard Statements:**  
H302- Harmful if swallowed  
H314- Causes severe skin burns and eye damage  
H319- Causes serious eye irritation  
H335- May cause respiratory irritation  
H402- Harmful to aquatic life

- Precautionary Statements:**  
P102- Keep out of reach of children  
P234- Keep only in original container  
P260- Do not breathe fume/mist/vapors/spray  
P262- Do not get in eyes, on skin, or on clothing  
P264- Wash skin thoroughly after handling  
P280- Wear chemical resistant protective gloves and splash proof eyewear

**Response Statements:**

P303+P353+P361+P363- IF ON SKIN (or hair): Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing.

P304+P340+ IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Storage and Disposal Statements:**

P403- Store in a well-ventilated place.

P405- Store locked up.

P501- Dispose of contents/container in accordance with local/regional/national regulation.

**Other Hazards:**

OSHA HCS 2012- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**HMIS Classification:**

Health Hazard- 3

Flammability- 0

Physical Hazards- 0

**SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Chemical/Common Name</u>	<u>CAS #</u>	<u>PERCENTAGE</u>	<u>HAZARDOUS</u>
Sodium Hydroxide	1310-73-2	5-10%	Yes
2-Butoxy Ethanol	111-76-2	5-10%	Yes

**SECTION 4- FIRST AID MEASURES**

**Inhalation:** If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet and obtain medical attention.

**Skin:** Immediately flush affected area with lots of water for at least 2 minutes. Remove contaminated clothing and wash before reuse.

**Eyes:** Flush immediately with large quantities of running water for at least 5 minutes. Obtain medical attention.

**Ingestion:** Immediately give a lot of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

**SECTION 5-FIRE FIGHTING MEASURES**

**Flash Point:** None to boiling

**Autoignition Temperature:** Non combustible

**Lower Explosive Limit:** N/A    **Upper Explosive Limit:** N/A

**General Hazards-**

**Fire:** Product is not flammable or combustible.

**Suitable Extinguishing Media:** As required to fight surrounding fire.

**Fire Fighting Procedures:** Wear self contained breathing apparatus for fire fighting if necessary.

**Unusual Fire and Explosion Hazards:** None known

**Hazardous Combustion Products:** None known

**SECTION 6- ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Emergency Procedures:** As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

**Environmental precautions:** Avoid run off to waterways and sewers.

**Methods and material for containment and cleaning up:** Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste disposal container.

## SECTION 7- HANDLING AND STORAGE

### Precautions for safe handling:

Avoid contact with skin and eyes by wearing protective clothing and equipment. Avoid inhalation of vapour or mist. Use only with adequate ventilation.

### Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place. Store away from acids, acidic materials and oxidizers.

## SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters:

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
2-Butoxy Ethanol	111-76-2	25ppm	50ppm

### Personal Protective Equipment-

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**Hand protection:** Wear protective gloves made from the following materials- nitrile rubber or polyethylene. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye Protection:** Wear safety glasses with side shields.

**Skin and Body Protection:** Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

**Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

<b>Products Description:</b>	Dark brown liquid with characteristic odor
<b>Solubility in Water:</b>	Complete
<b>Boiling Point:</b>	>220°F
<b>Specific Gravity (WATER=1):</b>	1.08
<b>Vapor Pressure (mmHg):</b>	N/D
<b>Vapor Density (AIR=1):</b>	N/D
<b>Percent Volatile by Volume (%):</b>	> 75.00
<b>Evaporation Rate (WATER=1):</b>	>1
<b>Flash Point (C.O.C.):</b>	None
<b>pH (1% w/w in water):</b>	12-13

## SECTION 10- STABILITY AND REACTIVITY DATA

**Stability:** Stable under recommended storage conditions.

**Material to Avoid:** Avoid contact with acids and strong oxidizers such as permanganate, chlorine, ect.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** None

## SECTION 11- TOXICOLOGICAL INFORMATION

### Sodium Hydroxide (CAS 1310-73-2)-

#### **Toxicity:**

**Acute oral toxicity-** LD50 Oral: 300-500 mg/kg

**Species:** Rat

**Remarks:** Ingestion may cause digestive tract burns. Harmful if swallowed.

**Acute inhalation toxicity-** No data available

**Acute dermal toxicity-** LD50: 1,350 mg/kg

**Species:** Rabbit

**Remarks:** Contact with skin may cause severe skin burns and eye damage.

**Skin corrosion/irritation-** Causes severe skin burns

**Serious eye damage/eye irritation-** causes serious eye damage

**Respiratory or skin sensitization:** Not a respiratory sensitizer.

**Skin sensitization:** this product is not expected to cause skin sensitization.

**Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1 % are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity -single exposure:** Not classified.

**Specific target organ toxicity -repeated exposure:** Not classified.

**Aspiration hazard:** not an aspiration hazard.

**Other chronic effects:** prolonged inhalation may be harmful.

### 2-Butoxyethanol- (CAS 111-76-2)-

#### **Toxicity:**

**Acute oral toxicity-** LD50 Oral: 1,414 mg/kg

**Species:** guinea pig

**Remarks:** Ingestion may cause weakness, confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

**Acute inhalation toxicity-** LC50: ~ 932 ppm

**Exposure time:** 4 HOURS

**Species:** guinea pig

**Remarks:** Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

**Acute dermal toxicity-** LD50: > 2,000 mg/kg

**Species:** guinea pig

**Remarks:** Minimal hazard by skin contact with liquid or vapor. This material may be absorbed through the skin. High dermal doses (most likely achieved from exposure to undiluted liquid) may

cause weakness, headache and nausea. Extensive and prolonged contact with skin may cause confusion, anxiety, decreased blood pressure, and CNS depression with collapse and coma.

**Skin corrosion/irritation-** causes moderate skin irritation.

**Serious eye damage/eye irritation-** causes moderate eye damage.

**Respiratory or skin sensitization:** this product is not expected to cause skin sensitization.

**Reproductive toxicity:** OECD Test No. 416: Two-Generation Reproduction Toxicity Study (Mouse, Male and Female); NOAEL: 720 mg/kg; NOAEL: 720 mg/kg; NOAEL: 720 mg/kg; Ingestion

**Developmental toxicity:** Rat, Male and Female; NOAEL: 100 mg/kg; NOAEL: 30 mg/kg; Ingestion

**Specific target organ toxicity -single exposure:** Not classified.

**Specific target organ toxicity -repeated exposure:** Not classified.

**Aspiration hazard:** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

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## SECTION 12- ECOLOGICAL INFORMATION

### **Sodium Hydroxide- (CAS 1310-73-2)-**

**Ecotoxicity:** Harmful to aquatic life with long lasting effects

**Aquatic toxicity (crustacea)-EC-50:** 47.13 mg/l

**Duration:** 48 hours

**Species:** water flea (Ceriodaphnia dubia)

**Aquatic toxicity (fish)-LC-50:** 125 mg/l

**Duration:** 96 hours

**Species:** Western mosquitofish (Gambusia affinis)

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### **2-Butoxyethanol- (CAS 111-76-2)-**

**Ecotoxicity:**

**Aquatic toxicity (fish)-LC-50:** 1,474 mg/l

**Duration:** 96 hours

**Species:** Oncorhynchus mykiss,

**Aquatic toxicity (Aquatic Invertebrates)- EC-50:** 1,550 mg/l

**Duration:** 48 hours

**Species:** water flea

**Chronic hazards to the aquatic environment:**

**Toxicity (fish)- NOEC >100 mg/l**

**Duration:** 21 days

**Species:** Zebra Fish

**Toxicity (Aquatic Invertebrates)- NOEC:** 100 mg/l

**Duration:** 21 days

**Species:** daphnid

**Toxicity (Aquatic Plants)- EC-50:** 1,840 mg/l

**Duration:** 72 hours

**Species:** Algae (*Pseudokirchneriella subcapitata*)

**Persistence and degradability:** 90.4 % (28 d) Readily biodegradable

**Bioaccumulative potential:** Potential to bioaccumulate is low.

**Partition Coefficient n-octanol / water (log Kow) :** Log Kow: 0.81 20 °C

**Mobility in soil:** Expected to partition to water.

### SECTION 13- DISPOSAL CONSIDERATIONS

**Further information:** Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations.

### SECTION 14- TRANSPORT INFORMATION

Transport in accordance with all federal, state and local regulations.

**DOT (Department of Transportation)-**

UN Number: UN 3266

UN proper shipping name: Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide)

Hazard class: 8

Packing group: II

### SECTION 15- REGULATORY INFORMATION

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

Sodium Hydroxide (CAS 1310-73-2)

**SARA 304 Emergency release notification:**

Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

Not listed.

**SARA 302 Extremely hazardous substance:**

Not listed.

**SARA 311/312 Hazardous Chemical:**

2-Butoxyethanol (CAS 111-76-2)- immediate (acute) health hazard ; delayed (chronic) health hazard ; fire hazard

**SARA 313 (TRI reporting):**

2-Butoxyethanol (CAS 111-76-2)

**Other federal regulations-**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

Not regulated.

**US state regulations-**

**US - California Candidate Chemicals: Listed on initial list:**

Sodium Hydroxide (CAS 1310-73-2)

**US. Massachusetts RTK - Substance List:**

Sodium Hydroxide (CAS 1310-73-2)

**US. New Jersey Worker and Community Right-to-Know Act:**

Sodium Hydroxide (CAS 1310-73-2)

**US. Pennsylvania Worker and Community Right-to-Know Law:**

Sodium Hydroxide (CAS 1310-73-2)

**US. Rhode Island RTK**

Sodium Hydroxide (CAS 1310-73-2)

**US. California Proposition 65:** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**SECTION 16- OTHER INFORMATION**

References: Not available

Other Special Considerations: Not available

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