

PRODUCT NAME: ABRO Wheel Cleaner
PRODUCT NUMBER/SIZE: WC-160

Rev Date: 12/3/2014

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA
PRODUCT DESCRIPTION: Wheel Cleaner Spray
COMPANY PHONE: 574-232-8289
EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2 Hazards Identification

Classification:

Skin corrosion/irritation Category 1A H314
Eye damage/ Irritation 1 H318

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Causes severe skin burns and eye damage.

Precautionary Phrases: Wash affected areas thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Take off contaminated clothing and wash before reuse.

Response: If on skin: Wash with plenty of soap and water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: See section 4.1 on SDS. If skin irritation occurs: Get medical advice/attention.

Storage / Disposal:

Other: Keep out of reach of children.

SECTION 3 Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight	Classification (GHS-US)
Water	7732-18-5	85 - 95	Not classified
hexylamine	111-26-2	1 - 5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314
sodium xylenesulfonate	1300-72-7	1 - 5	Not classified
potassium carbonate	584-08-7	1 - 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
SODIUM LAURETH SULFATE	68585-34-2	< 1	Not classified
SODIUM SESQUICARBONATE	533-96-0	< 1	Not classified
tetrasodium ethylenediaminetetracetate, tetrahydrate	13235-36-4	< 1	Not classified
alcohols, C10-16	67762-41-8	< 1	Not classified

SECTION 4 First Aid Measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: If you feel unwell, seek medical advice.

Symptoms/injuries after inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/injuries after skin contact: Itching. Red skin. Causes skin irritation.

Symptoms/injuries after eye contact: Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue.

Causes serious eye damage.

Symptoms/injuries after ingestion: May be harmful if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5 Fire Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6 Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment: Safety glasses. Gloves.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment: Contain released substance, pump into suitable containers. Dam up the liquid spill. Plug the leak, cut off the supply.

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7 Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Wash affected areas thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Keep container closed when not in use.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Follow Label Directions.

SECTION 8 Exposure Controls/Personal Protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls: Local exhaust ventilation, vent hoods.

Personal protective equipment: Gloves. Safety glasses. Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.

SECTION 9 Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid.
Color:	Violet.
Odor:	Licorice.
Odor threshold:	No data available
pH:	10.6
Relative evaporation rate (butyl acetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	No data available
Relative vapor density at 20 °C:	No data available
Relative density:	1.02
Solubility:	Soluble in water.
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Explosive limits:	No data available

9.2. Other information

No additional information available

SECTION 10 Stability and Reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Toxic fume. Carbon monoxide. Carbon dioxide.

SECTION 11 Toxicological Information

11.1. Information on toxicological effects

Acute toxicity: Not classified

Potassium carbonate (584-08-7)

LD50 oral rat 1870 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >2000 mg/kg bodyweight; Rat; Experimental value)

hexylamine (111-26-2)

LD50 oral rat 670 mg/kg (Rat)

LD50 dermal rabbit 322 mg/kg (Rabbit)

Skin corrosion/irritation: Causes skin irritation.

pH: 10.6

Serious eye damage/irritation: Causes serious eye damage.

pH: 10.6

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 Symptoms/injuries after skin contact: Itching. Red skin. Causes skin irritation.
 Symptoms/injuries after eye contact: Inflammation/damage of the eye tissue. Irritation of the eye tissue. Redness of the eye tissue. Causes serious eye damage.
 Symptoms/injuries after ingestion: May be harmful if swallowed and enters airways.

SECTION 12 Ecological Information

12.1. Toxicity

Potassium carbonate (584-08-7)

LC50 fish 1	200 mg/l (72 h; Pisces; GLP)
EC50 Daphnia 1	200 mg/l (48 h; Daphnia pulex; GLP)
LC50 fish 2	68 mg/l (96 h; Oncorhynchus mykiss)

tetrasodium ethylenediaminetetracetate, tetrahydrate (13235-36-4)

LC50 fish 1	121 mg/l (96 h; Lepomis macrochirus; Anhydrous form)
EC50 Daphnia 1	625 mg/l (24 h; Daphnia magna)
LC50 fish 2	374 - 792 mg/l (96 h; Lepomis macrochirus; Anhydrous form)
Threshold limit algae 1	> 100 mg/l (72 h; Scenedesmus subspicatus; Anhydrous form)

hexylamine (111-26-2)

LC50 fish 1	56.6 mg/l (96 h; Pimephales promelas)
LC50 fish 2	> mg/l >10 <22, 96 h; Leuciscus idus

12.2. Persistence and degradability

ABRO WHEEL CLEANER

Persistence and degradability: Not established.

Water (7732-18-5)

Persistence and degradability: Not established.

Potassium carbonate (584-08-7)

Persistence and degradability Biodegradability: not applicable. No (test) data on mobility of the substance available.

Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Alcohols, C10-16 (67762-41-8)

Persistence and degradability Biodegradability in water: no data available.

tetrasodium ethylenediaminetetracetate, tetrahydrate (13235-36-4)

Persistence and degradability: Not readily biodegradable in water.

SODIUM LAURETH SULFATE (68585-34-2)

Persistence and degradability: Not established.

Sodium xylenesulfonate (1300-72-7)

Persistence and degradability Biodegradability in water: no data available.

SODIUM SESQUICARBONATE (533-96-0)

Persistence and degradability: Not established.

hexylamine (111-26-2)

Persistence and degradability: Readily biodegradable in water.

12.3. Bioaccumulative potential

ABRO WHEEL CLEANER

Bioaccumulative potential: Not established.

Water (7732-18-5)

Bioaccumulative potential: Not established.

Potassium carbonate (584-08-7)

Bioaccumulative potential Bioaccumulation: not applicable.

Alcohols, C10-16 (67762-41-8)

Bioaccumulative potential No bioaccumulation data available.

tetrasodium ethylenediaminetetracetate, tetrahydrate (13235-36-4)

Bioaccumulative potential No bioaccumulation data available.

SODIUM LAURETH SULFATE (68585-34-2)

Bioaccumulative potential: Not established.

Sodium xylenesulfonate (1300-72-7)

Bioaccumulative potential No bioaccumulation data available.

SODIUM SESQUICARBONATE (533-96-0)

Bioaccumulative potential: Not established.

hexylamine (111-26-2)

Log Pow 2.06 (Experimental value)

Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13 Disposal Considerations

13.1. Waste treatment methods

Waste disposal recommendations: Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

SECTION 14 Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT	UN/ID Number:	Not regulated
	Proper shipping name:	
	Hazard class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

IMO/IMDG	UN/ID Number:	Not regulated
	Proper shipping name:	
	Hazard class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

ICAO/IATA	UN/ID Number:	Not regulated
	Proper shipping name:	
	Hazard Class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

Canada (TDG)	UN/ID Number:	Not regulated
	Proper shipping name:	
	Hazard class:	
	Packing Group:	
	Exceptions:	
	Environmental Hazards:	
	Transport in Bulk:	
	Special Precautions:	

**Europe
(ADR)**

UN/ID Number: Not regulated
Proper Shipping Name:
Tunnel Restriction Code:

SECTION 15 Regulatory Information

15.1. US Federal regulations

ABRO WHEEL CLEANER

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R21

R10

Full text of R-phrases: see section 16

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16 Other Information

Other information: None.

Full text of H-phrases: see section 16:

----- Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
----- Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
----- Eye Dam. 1	Serious eye damage/eye irritation Category 1
----- Flam. Liq. 3	Flammable liquids Category 3
----- Skin Corr. 1A	Skin corrosion/irritation Category 1A
----- Skin Irrit. 2	Skin corrosion/irritation Category 2
----- H226	Flammable liquid and vapor
----- H302	Harmful if swallowed
----- H311	Toxic in contact with skin
----- H314	Causes severe skin burns and eye damage
----- H315	Causes skin irritation
----- H318	Causes serious eye damage

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 1 - Must be preheated before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 1 Slight Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:

NG="NOT GIVEN"

BT="BETWEEN"

<="LESS THAN"

>="GREATER THAN"

ND = Not Determined

NA = Not Applicable