

Material Safety Data Sheet

Gatorback Wheel Cleaner (2)

1 . Product and company identification

Common name	: Gatorback Wheel Cleaner (2)
Material uses	: Not available.
Supplier/Manufacturer	: R&M Car Care Inc. Gatorback Coatings 4401 River Close Blvd. Valrico,FI 33594 Tel : (813) 294-9223
In case of emergency	: CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

2 . Hazards identification

Physical state	: Liquid.
Odor	: Pleasant.
Color	: Red colour changes in sunshine into light yellow to whitish.
Hazard status	: This material is classified as hazardous under OSHA regulations.
Emergency overview	: DANGER ! CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS. MAY BE HARMFUL IF ABSORBED THROUGH SKIN, SWALLOWED OR INHALED. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: BLOOD, KIDNEYS, LUNGS, LIVER, MUCOUS MEMBRANES, LYMPHATIC SYSTEM, RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA. Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin. May be harmful if absorbed through skin.
Inhalation	: Corrosive to the respiratory system. May be harmful by inhalation.
Ingestion	: May be harmful if swallowed. May cause burns to mouth, throat and stomach.
Potential chronic health effects	: Carcinogenic effects: Classified A3 (Proven for animals.) by ACGIH [2-Butoxyethanol]. Classified 3 (Not classifiable for humans.) by IARC [2-Butoxyethanol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Hydrogen chloride]. Mutagenic effects: Not available. Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure	: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can produce target organ damage.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
Phosphoric Acid	7664-38-2	1 - 5
2-Butoxyethanol	111-76-2	0.5 - 1
Hydrogen chloride	7647-01-0	0.5 - 1

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention immediately.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
 - Not suitable** : None known.
- Special exposure hazards** : No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

- Handling** : Do not ingest. Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

United States

Product name

Phosphoric Acid

Exposure limits

ACGIH TLV (United States, 1/2006).

STEL: 3 mg/m³ 15 minute(s).

TWA: 1 mg/m³ 8 hour(s).

NIOSH REL (United States, 12/2001).

STEL: 3 mg/m³ 15 minute(s).

TWA: 1 mg/m³ 10 hour(s).

OSHA PEL (United States, 11/2006).

TWA: 1 mg/m³ 8 hour(s).

2-Butoxyethanol

ACGIH TLV (United States, 1/2006).

TWA: 20 ppm 8 hour(s).

NIOSH REL (United States, 12/2001). Skin

TWA: 24 mg/m³ 10 hour(s).

TWA: 5 ppm 10 hour(s).

OSHA PEL (United States, 11/2006). Skin

TWA: 240 mg/m³ 8 hour(s).

TWA: 50 ppm 8 hour(s).

Hydrogen chloride

ACGIH TLV (United States, 1/2006).

CEIL: 2 ppm

NIOSH REL (United States, 12/2001).

CEIL: 7 mg/m³

CEIL: 5 ppm

OSHA PEL (United States, 11/2006).

CEIL: 7 mg/m³

CEIL: 5 ppm

Engineering measures

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eyes

: Face shield.

Skin

: Synthetic apron.

Respiratory

: A respirator is not needed under normal and intended conditions of product use.

Hands

: Nitrile gloves.



HMIS Code/Personal protective equipment

: D

Personal protection in case of a large spill

: Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

Physical state	: Liquid.
Color	: Red colour changes in sunshine into light yellow to whitish.
Odor	: Pleasant.
pH	: Neutral.
Boiling/condensation point	: >78°C (172.4°F)
Melting/freezing point	: <0°C (32°F)
Critical temperature	: Lowest known value: 367.9°C (694.2°F) (2-Butoxyethanol).
Relative density	: 1.01 (Water = 1)
Vapor pressure	: Weighted average: 2.26 kPa (16.95 mm Hg) (at 20°C)
Vapor density	: Weighted average: 0.66 (Air = 1)
Evaporation rate	: Weighted average: 0.36 compared with Butyl acetate.
Solubility	: Miscible in water.

10 . Stability and reactivity

Stability and reactivity	: The product is stable.
Incompatibility with various substances	: Highly reactive or incompatible with the following materials: metals and alkalis. Reactive with oxidizing materials and acids.
Hazardous decomposition products	: Decomposition products may include the following materials: halogenated compounds, hydrogen chloride.
Hazardous polymerization	: Will not occur.
Conditions of reactivity	: None known.

11 . Toxicological information

Product/ingredient name	Toxicity data			
	Test	Result	Route	Species
Phosphoric Acid	LD50	1530 mg/kg	Oral	Rat
	LD50	2740 mg/kg	Dermal	Rabbit
2-Butoxyethanol	LD50	470 mg/kg	Oral	Rat
	LD50	300 mg/kg	Oral	Rabbit
	LD50	1200 mg/kg	Oral	Guinea pig
	LD50	220 mg/kg	Dermal	Rabbit
	LC50	450 ppm (4 hour(s))	Inhalation	Rat
Hydrogen chloride	LD50	900 mg/kg	Oral	Rabbit
	LC50	1562 ppm (4 hour(s))	Inhalation	Rat

Acute Effects

Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin. May be harmful if absorbed through skin.
Inhalation	: Corrosive to the respiratory system. May be harmful by inhalation.
Ingestion	: May be harmful if swallowed. May cause burns to mouth, throat and stomach.

- Potential chronic health effects** : Carcinogenic effects: Classified A3 (Proven for animals.) by ACGIH [2-Butoxyethanol]. Classified 3 (Not classifiable for humans.) by IARC [2-Butoxyethanol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Hydrogen chloride].
Mutagenic effects: Not available.
Teratogenic effects: Not available.
- Target organs** : Contains material which causes damage to the following organs: blood, kidneys, lungs, liver, mucous membranes, lymphatic system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
2-Butoxyethanol	Lepomis macrochirus (LC50)	96 hour(s)	1490 mg/l

- Environmental precautions** : No known significant effects or critical hazards.
- Products of degradation** : Decomposition products may include the following materials: carbon oxides and water, halogenated compounds, phosphates.
- Toxicity of the products of biodegradation** : The products of degradation are as toxic as the product itself.

13 . Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

NAERG : 153

Regulatory information	Proper shipping name	Class	UN number	PG	Label
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UN / IMDG / IATA Classification	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric Acid, Hydrogen chloride)	8	UN3260	III	
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DOT Classification	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric Acid, Hydrogen chloride)	8	UN3260	III	
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Additional information	UN	IMDG	IATA	DOT
	-	-	Cargo Aircraft Only Quantity limitation: 30 L Limited Quantities - Passenger Aircraft Quantity limitation: 1 L	-

15 . Regulatory information

United States

HCS Classification : Corrosive material
Target organ effects

U.S. Federal regulations : TSCA : All components listed.

SARA 302/304/311/312 extremely hazardous substances: Hydrogen chloride

SARA 302/304 emergency planning and notification: Hydrogen chloride

SARA 302/304/311/312 hazardous chemicals: Phosphoric Acid; 2-Butoxyethanol;
Hydrogen chloride

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Phosphoric Acid: Immediate (acute) health hazard; 2-Butoxyethanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Hydrogen chloride: Sudden release of pressure, Immediate (acute) health hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Phosphoric Acid; Hydrogen chloride

Clean Air Act (CAA) 112 accidental release prevention: Hydrogen chloride

Clean Air Act (CAA) 112 regulated flammable substances: Hydrogen chloride

Clean Air Act (CAA) 112 regulated toxic substances: Hydrogen chloride

SARA 313

	Product name	CAS number	Concentration
Form R - Reporting requirements	2-Butoxyethanol	111-76-2	0.5 - 1
	Hydrogen chloride	7647-01-0	0.5 - 1
Supplier notification	2-Butoxyethanol	111-76-2	0.5 - 1
	Hydrogen chloride	7647-01-0	0.5 - 1

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations : Rhode Island Hazardous Substances: Hydrogen chloride
Pennsylvania RTK Hazardous Substances: Phosphoric Acid: (environmental hazard, generic environmental hazard); 2-Butoxyethanol: (environmental hazard, generic environmental hazard); Hydrogen chloride: (environmental hazard)
Florida: Hydrogen chloride
Minnesota: Hydrogen chloride
Massachusetts Substances: Phosphoric Acid; 2-Butoxyethanol; Hydrogen chloride
New Jersey: Phosphoric Acid; 2-Butoxyethanol; Hydrogen chloride
California prop. 65: No products were found.

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Label requirements (U.S.A.) : CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.
MAY BE HARMFUL IF ABSORBED THROUGH SKIN, SWALLOWED OR INHALED.
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:
BLOOD, KIDNEYS, LUNGS, LIVER, MUCOUS MEMBRANES, LYMPHATIC SYSTEM,
RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA.

Hazardous Material Information System (U.S.A.) :

HMIS RATING

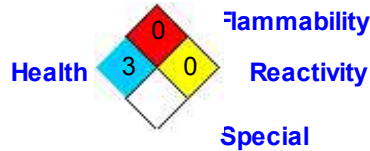
Health	*	3
Fire hazard		0
Physical Hazard		0
Personal protection		D

HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :



References : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.

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Notice to reader

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