



Safety Data Sheet (according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 of 18 June 2020)

Version: 1.01

Date of issue: 31.08.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Bad Boys Wheel Cleaner Acid

UFI: WU20-N0HU-V00V-N34E

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Preparation for removing mineral deposits

1.3. Details of the supplier of the safety data sheet:

RR CUSTOMS Sp. z o.o.

ul. Ściegiennego 276, 25-116 Kielce

tel.: +48 508 144 377

e-mail: office@rrcustoms.com

1.4. EMERGENCY TELEPHONE NUMBER

+48 508 144 377

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture has been classified as hazardous in accordance with applicable regulations.

Acute Tox. 3; H301: Toxic if swallowed

Acute Tox. 2; H310: Fatal in contact with skin.

Acute Tox. 3; H331: Toxic if inhaled.

Skin Corr. 1A; H314: Causes severe skin burns and eye damage.

Eye Dam. 1; H318: Causes serious eye damage.

Met. Corr.1; H290: May be corrosive to metals.

2.2. Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

Substances affecting the classification: Hydrofluoric acid



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Hazard pictograms



Signal word: **Danger**

Hazard statements:

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

H290 May be corrosive to metals.

Precautionary statements:

P260 Do not breathe mist/vapours/ spray

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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

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

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

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

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container to appropriate recycling container in accordance with local regulation.

2.3. Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

5-10% Hydrofluoric acid Danger

CAS: 7664-39-3 | EC: 231-634-8 | Index: 009-003-00-1 | REACH: 01-2119458860-33-XXXX

Acute Tox. 2: H300 | Acute Tox. 1: H310 | Skin Corr. 1A: H314 | Acute Tox. 2: H330

Full text of H-phrases: see SECTION 16.



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SECTION 4: First aid measures

4.1. Description of first aid measures

Never pour anything into the mouth of an unconscious person!

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

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

Symptoms/effects after skin contact : , Burns on skin and mucosal tissues

Symptoms/effects after eye contact : Irritation of the eye tissue

Symptoms/effects after ingestion: Gastro-intestinal irritation

Symptoms/effects after inhalation : EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Dry/sore throat. Central nervous system depression. Dizziness. Headache.

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

Symptomatic treatment

SECTION 5: Firefighting measures

5.1. Extinguishing media

Does not require the use of special extinguishing media

5.2. Special hazards arising from the substance or mixture

Incomplete combustion products may contain carbon oxides

5.3. Advice for firefighters

Cool adjacent containers by spraying water on them.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition - do not smoke. Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin. If applicable, caution - risk of slipping

6.2. Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous. If accidental entry into drainage system occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13. Use no flammable substances.

Fill the absorbed material into lockable containers.

6.4. Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation.

Avoid inhalation of the vapours.

If applicable, suction measures at the workstation or on the processing machine necessary. Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate. Use explosion-proof equipment.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals. Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Do not store with flammable or self-igniting materials. Solvent resistant floor

Store in a well ventilated place. Store cool

Protect from direct sunlight and warming.

Observe special storage conditions.

7.3. Specific end use(s)

No information available at present.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with workplace control parameters:

Hydrofluoric acid

Component	CAS-No.	ValueForm of exposure	Control parameters	Basis
Hydrofluoric acid	7664-39-3	TWA	1.8 ppm 1.5 mg/m ³	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
	Remarks	Indicative		
		STEL	3 ppm 2.5 mg/m ³	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
		Indicative		
		TWA	1.8 ppm 1.5 mg/m ³	UK. EH40 WEL - Workplace Exposure Limits
		STEL	3 ppm 2.5 mg/m ³	UK. EH40 WEL - Workplace Exposure Limits

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator



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is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: clear liquid

Odour: Not applicable

Odour threshold: Not applicable

pH-value: ~2

Melting point/freezing point: Not applicable

Initial boiling point and boiling range: ~100°C

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): Not applicable

Lower explosive limit: Not applicable

Upper explosive limit: Not applicable

Vapour pressure: Not applicable

Vapour density (air = 1): Not applicable

Density: ~ 0,8kg/dm³

Bulk density: Not applicable

Solubility(ies): Not applicable

Water solubility: Not applicable

Partition coefficient (n-octanol/water): Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity: Not applicable

9.2. Other information

No information available at present.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive

10.2. Chemical stability

The product is chemically stable

10.3. Possibility of hazardous reactions



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Hydrofluoric acid attacks glass, aluminum, ceramics, enamels and stainless steel. Reacts violently with chlorosulphonic acid, concentrated sulfuric acid.

10.4. Conditions to avoid

Do not heat the mixture and do not expose to direct sunlight.

10.5. Incompatible materials

Glass, metals (also copper), enamels, rubber, stainless steel.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information on the components of the mixture:

Hydrofluoric acid

Acute toxicity

No data available

11.2. Information on other hazards

No information available at present

SECTION 12: Ecological information

12.1. Toxicity

Toxic effect on the environment for the components of the mixture:

Hydrofluoric acid

No data available

12.2. Persistence and degradability

Ingredients spread easily biodegradable

12.3. Bioaccumulative potential

The components of the mixture do not show bioaccumulation

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The mixture does not meet the criteria

12.6. Endocrine disrupting properties

No information available

12.7. Other adverse effects

No information available



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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery. Do not discharge into surface water. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

European List of Waste (LoW) code : 20 01 29* - detergents containing dangerous substances

SECTION 14: Transport information

14.1. UN number or ID number

1790

14.2. UN proper shipping name

HYDROFLUORIC ACID

14.3. Transport hazard class(es)

8 (6.1)

14.4. Packaging group

II

14.5. Environmental hazards

The substance pose a threat to the environment according to the criteria in the UN Model Regulations

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.



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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulation/legislation specific for the substance or mixture COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation(EC)No.1272/2008-CLP

Regulation(EC)No.648/2004-Detergents regulation

The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

15.2. Chemical safety assessment

A chemical safety assessment is not required.

SECTION 16: Other information

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

Full text of H-Statements referred to under sections 2 and 3.

H300 Fatal if swallowed.

H310 Fatal in contact with skin

H314 Causes severe skin burns and eye damage

H330 Fatal if inhaled

Any abbreviations and acronyms used in this document:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE Acute toxicity estimate

CAS-Nr. Chemical Abstracts Service number

Conc. Concentration

DNEL derived no-effect level



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EC-No. European community number

ECx Effective concentration to x %

EH40 WEL Worker Exposure Limit

EINECS European inventory of existing commercial substances

ELINCS European list of notified chemical substances

EN European Standard

EU European Union

IATA International Air Transport Association

IBC International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)

ICx Inhibition concentration to x %

IMDG International Maritime Dangerous Goods

LCx Lethal concentration to x %

LDx Lethal dose to x %

LOEC/LOEL Lowest observed effect concentration/level

MARPOL MARPOL: International Convention for the prevention of marine pollution from ships

N.O.S. Not otherwise specified

NOEC/NOEL No observed effect concentration/level

OECD Organization for Economic Co-operation and Development

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

SI Statutory Instrument

TWA Time weighted average

UN United Nations

WHO World health organisation