

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

8025 Rim Power



chemius.net/BmZc8

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

Relevant identified uses

No information.

Uses advised against

No information.

1.3. Details of the supplier of the safety data sheet

Manufacturer

SILCO, D.O.O.

Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia

Phone: +386 3 703 3180

Fax: +386 3 703 3188

E-mail: n.cvilak@silco-automotive.com

Point of contact for safety info: Nejc Cvilak

1.4. Emergency telephone number

Emergency

112

Supplier

+386 3 703 3180

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Acute Tox. 4; H302 Harmful if swallowed.

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

STOT SE 3; H335 May cause respiratory irritation.

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

2.2 Label elements

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



Signal word: **Danger**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

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

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.

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

2.2.2. Contains:

hydrochloric acid (CAS: 7647-01-0, EC: 231-595-7, Index: 017-002-01-X)

ammonium bifluoride (CAS: 1341-49-7, EC: 215-676-4, Index: 009-009-00-4)

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

No information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

For mixtures see 3.2.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 8025 Rim Power

Creation date: 26.11.2006 · Revision: 27.6.2018 · Version: 1

3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
hydrochloric acid [B]	7647-01-0 231-595-7 017-002-01-X	5-15%	Skin Corr. 1B; H314 STOT SE 3; H335	Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 % STOT SE 3; H335: C ≥ 10 %	-
Lauryl alcohol polyethoxylate	9002-92-0 - -	<5%	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 2; H411		-
1-methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3	<5%	Flam. Liq. 3; H226 STOT SE 3; H336		-
ammonium bifluoride	1341-49-7 215-676-4 009-009-00-4	2-5%	Acute Tox. 3; H301 Skin Corr. 1B; H314	Skin Corr. 1B; H314: C ≥ 1 % Skin Irrit. 2; H315: 0,1 % ≤ C < 1 % Eye Irrit. 2; H319: 0,1 % ≤ C < 1 %	-
phosphoric acid [B]	7664-38-2 231-633-2 015-011-00-6	<3%	Skin Corr. 1B; H314	Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	-

Notes for substances:

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %".

In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

Following inhalation

Remove patient to fresh air - move out of dangerous area. Victim should rest in a warm place. If breathing is irregular or respiratory arrest occurs provide artificial respiration. In case of unconsciousness bring patient into stable side position and seek medical attention. Do not give anything to eat or drink to patient.

Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If irritation of skin persists seek medical attention.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

Following eye contact

After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. If substance has got into eyes, immediately wash out with plenty of water for several minutes. Seek medical advice.

Following ingestion

Do not induce vomiting! Immediately consult a doctor. Show the physician the safety data sheet or label.

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

Inhalation

-

Skin contact

Contact with skin may cause irritation (redness, itching).

Eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

Ingestion

-

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

-

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂).
Fire extinguishing powder.
Foam.
Water spray.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In the event of fire sulphur oxides are released. In fire phosphoric acid dust is generated. In case of heating harmful vapours/gases can be generated.

5.3. Advice for firefighters

Protective actions

Cool the endangered containers with water spray.

Special protective equipment for firefighters

self-contained breathing apparatus

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Do not breathe vapours/mist. Refer to protective measures listed in Sections 7 and 8.

Emergency procedures

Ensure adequate ventilation.

6.1.2. For emergency responders

-

6.2. Environmental precautions

Do not allow to enter water/drains/sewerage. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

-

6.3.2. For cleaning up

Pick up mechanically and remove it in accordance with regulation. Do not absorb spillage with sawdust or other combustible material.

6.3.3. Other information

-

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation. Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Use only explosion-proof devices. Prevent the formation of flammable or explosive concentrations of vapours in the air.

Measures to prevent aerosol and dust generation

-

Measures to protect the environment

-

7.1.2. Advice on general occupational hygiene

Do not eat, drink or smoke while working. Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with skin and eyes. Do not breathe vapours/mist. Consider measures required in Section 8 of this safety data sheet. Refer to instructions on label and regulations for safety and health at work. Refer to legal, protective and safety regulations.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Keep in cool and well ventilated area. Keep in dry place at room temperature. Do not smoke! Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Store away from strong acids. Store away from strong bases. Keep in tightly closed container. Protect from cold (prevent freezing). Protect from open fire, heat and direct sunlight. Handle open containers with care. Do not allow product to reach water, drains and sewage systems!

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

7.2.2. Packaging materials

-

7.2.3. Requirements for storage rooms and vessels

-

7.2.4. Storage class

-

7.2.5. Further information on storage conditions

-

7.3. Specific end use(s)

Recommendations

-

Industrial sector specific solutions

-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Hydrogen chloride (gas and aerosol mists) (7647-01-0)	1	2	5	8		
1-Methoxypropan-2-ol (107-98-2)	100	375	150	560	Sk	
Orthophosphoric acid (7664-38-2)	-	1	-	2		

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

8.1.3. DNEL/DMEL values

No information.

8.1.4. PNEC values

No information.

8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with eyes.

Organisational measures to prevent exposure

Do not eat, drink or smoke while working. Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

8.2.2. Personal protective equipment

Eye and face protection

Tight fitting protective goggles (EN 166).

Hand protection

Protective gloves made of synthetic material.

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards

-

8.2.3. Environmental exposure controls

-

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

-	Physical state:	liquid
-	Colour:	red
-	Odour:	charecteristic

Important health, safety and environmental information

-	pH	1
-	Melting point/freezing point	No information.
-	Initial boiling point/boiling range	No information.
-	Flash point	> 100 °C
-	Evaporation rate	No information.
-	Flammability (solid, gas)	No information.
-	Explosion limits (vol%)	No information.
-	Vapour pressure	No information.
-	Vapour density	No information.
-	Density	Density: 1,04 – 1,06 g/cm ³
-	Solubility	No information.
-	Partition coefficient	No information.
-	Auto-ignition temperature	No information.
-	Decomposition temperature	No information.
-	Viscosity	No information.
-	Explosive properties	No information.
-	Oxidising properties	No information.

9.2. Other information

-	Remarks:	
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SAFETY DATA SHEET according to Regulation 1907/2006



Product name: 8025 Rim Power

Creation date: 26.11.2006 · Revision: 27.6.2018 · Version: 1

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

-

10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

-

10.4. Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks. No special precautions required. Consider the directions for use and storage.

10.5. Incompatible materials

Follow the general rule of incompatible chemicals.

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

(a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
1-methoxy-2-propanol (107-98-2)	dermal	LD ₅₀	rabbit		13000 mg/kg		
1-methoxy-2-propanol (107-98-2)	inhalation	LC ₅₀	rat	4 h	18,2 ppmV		gas
1-methoxy-2-propanol (107-98-2)	oral	LD ₅₀	rat		500 mg/kg		
ammonium bifluoride (1341-49-7)	oral	LD ₅₀	rat		500 mg/kg		
phosphoric acid (7664-38-2)	oral	LD ₅₀	rat		2740 mg/kg		
phosphoric acid (7664-38-2)	inhalation	LC ₅₀	rabbit	4 h	1,689 ppmV		gas
phosphoric acid (7664-38-2)	oral	LD ₅₀	rat		1530 mg/kg		

(b) Skin corrosion/irritation

No information.

(c) Serious eye damage/irritation

No information.

(d) Respiratory or skin sensitisation

No information.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

No information.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

(h) STOT-single exposure

No information.

(i) STOT-repeated exposure

No information.

(j) Aspiration hazard

No information.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
1-methoxy-2-propanol (107-98-2)	EC ₅₀	500 mg/L	48 h	crustacea			
	LC ₅₀	4600 mg/L	96 h	fish			
ammonium bifluoride (1341-49-7)	LC ₅₀	237 mg/L	96 h	fish			
phosphoric acid (7664-38-2)	EC ₅₀	4,6 mg/L	48 h	crustacea			

12.1.2. Chronic (long-term) toxicity

No information.

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

12.2.2. Biodegradation

No information.

12.3. Bioaccumulative potential

12.3.1. Partition coefficient

No information.

12.3.2. Bioconcentration factor (BCF)

No information.

12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

12.4.2. Surface tension

No information.

12.4.3. Adsorption/Desorption

No information.

12.5. Results of PBT and vPvB assessment

No evaluation.

12.6. Other adverse effects

No information.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

12.7. Additional information

For product

Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Do not allow to reach ground water, water courses or sewage system.

Biodegradability of surface active material: >90%;

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. Waste is classified as hazardous waste.

Waste codes / waste designations according to LoW

06 01 01* - sulphuric acid and sulphurous acid

Packaging

Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

Waste codes / waste designations according to LoW

15 01 10* - packaging containing residues of or contaminated by dangerous substances

13.1.2. Waste treatment-relevant information

-

13.1.3. Sewage disposal-relevant information

-

13.1.4. Other disposal recommendations

-

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

UN 1760

14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S. (ammonium bifluoride, hydrochloric acid)

14.3. Transport hazard class(es)

8

14.4. Packing group

III

14.5. Environmental hazards

NO.

14.6. Special precautions for user

Limited quantities

5 L

Tunnel restriction code

(E)

IMDG flashpoint

100 °C, c.c.



SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

IMDG EmS

F-A, S-B

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or vehicles.

SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Indication of changes

-

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**

IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC₅₀ - Lethal Concentration to 50 % of a test population
LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data

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List of relevant H phrases

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **8025 Rim Power**

Creation date: **26.11.2006** · Revision: **27.6.2018** · Version: **1**



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.

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