

MATERIAL SAFETY DATA SHEET

On the basis of REACH Order (EC) No. 1907/2006 of the European Parliament and Council dated 18th December 2006 concerning the registration, evaluation and authorisation of chemicals (REACH), the establishing of the European Chemicals Agency, amending the directive 1999/45/EC and revoking the order of the Council (EEC) No. 793/93 and the order of the Commission (EC) No. 1488/94, as well as the Council's directive 76/69/EEC and Commission's directive 91/155/EEC, 93/105/EC and 2000/21/EC (the Journal of Laws of the European Union series L, No. 396 as of 30th December 2006)

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RIMS – PREPARATION FOR CLEANING RIMS

1. Identification of preparation. Identification of company.

1.1. Product trade name: RIMS – PREPARATION FOR CLEANING RIMS

1.2. Product application: preparation for cleaning rims

1.3. Producer:

Name and address of the company: **NANOCHEM Sp. z o.o.**
ul. Schonów 3
41-200 Sosnowiec

Telephone number: **(032) 317 34 30**

Fax number: **(032) 317 34 32**

1.4. Emergency telephone: + 48 42 65 79 900, 42 63 14 767

1.5. Person responsible for preparing material safety data sheets: Anna Nowak
Email: anna@nanochem.com.pl

2. Threat identification

Fire hazard: none

Toxicological hazard: According to legal regulations the mixture has not been classified as dangerous.

Eco-toxicological hazard: the mixture is not classified as dangerous to the environment.

3. Composition and information on components

Chemical character:

Components	%	CAS	EC	Hazard classification
Butyldiglycol	10%	112-34-5	203-961-6	R36
Alkyl polyglucoside	5%	68515-73-1	-	R41, Xi

Pursuant to the order (EC) No. 648/2004 on detergents issued by the EUROPEAN PARLIAMENT AND COUNCIL on 31st March 2004 we present the marking of detergents' contents:

- 1,5% - surface active substances

4. First aid

Swallowing:

Flush the mouth with water. Give the injured person about 1-2 l. of water. Do not induce vomiting. Seek medical assistance, show the label to a doctor. Do not give an unconscious person anything to drink or eat.

Inhalation poisoning:

Move an injured person to an area with fresh air.

Skin contamination:

Wash the skin with a large amount of water.

Eye contamination:

Flush the eyes with a large amount of water for about 15 minutes with eyelids open .
Seek medical advice.

5. Fire-fighting procedures

Fire hazard:

The product is flammable. Incomplete combustion products may contain carbon oxide, vapours and aerosols of the product form flammable and explosive mixtures with air, vapours are heavier than air and accumulate near the surface as well as in lower parts of rooms.

Extinguishing media: foams resistant to alcohol and film forming foams or water - diffused streams in the event of large fires, small fires should be quenched with extinguishing powder, carbon dioxide, do not use a full stream of water. Neighbouring containers should be removed from the endangered area, if possible; if not, they should be cooled with sprayed water.

6. Procedures in the case of accidental release to the environment

Prevent a potential release of the preparation into the environment. In the event a bigger amount of the product is released, notify the relevant authorities.

In the event a bigger amount of the product is released to the environment, the contaminated area should be isolated and outsiders moved away. First off, all the source of contamination has to be cut off and secured. Remove potential sources of ignition. The released product must be collected and handed over for utilisation. If necessary, call a rescue team.

7. Handling and storage of the preparation

Handling the mixture:

Proceed in line with generally accepted safety rules. Do not eat or drink, avoid contact with the liquid while handling the preparation. Avoid inhaling vapours, do not swallow. Observe personal hygiene rules and OSH (Occupational Safety and Health) regulations, use protective clothing and work in ventilated rooms. Change dirty protective clothing.

Storage:

Store in original factory closed and hermetic containers in well ventilated rooms.

Store in shaded places away from direct sunlight and the sources of fire.

Recommended storage temperature: 5 to 35°C. Do not store near food, animal feed and drinking water.

8. Exposure control and individual protection equipment

Personal protection equipment requirements:

The applied personal protection equipment should meet the requirements of the order on basic requirements to be fulfilled by individual protection equipment issued by the Minister of Economy, Labour and Social Policy dated 21st December 2005 (the Journal of Laws No. 259, item 2173).

Requirements concerning ventilation: general room ventilation

The highest admissible concentration:

(according to the order issued by the Minister of Labour and Social Policy on 29th November 2002 (the Journal of Laws No. 217, item 1833))

Respiratory tracks protection: ventilation

Eyes and face protection: protective rubber gloves

Skin protection: unnecessary

9. Physical and chemical properties

State of aggregation at 20°C liquid		Colour colourless to pale yellow		Smell characteristic
Boiling temp. [°C] 100 °C	Melting point [°C] 0 °C	Flash point [°C] not applicable		Self-ignition temp. [°C] not applicable
Upper explosiveness limit [% V/V] not applicable		Lower explosiveness limit [% V/V] not applicable		Vapour pressure [hPa] at 180°C no data available
Density [kg/m ³] at 20°C 1 kg/m³		pH 8,5 (+/-) 0,5 pH		Viscosity [mPa s] at 20°C not applicable
Refractive index no data available		Solubility in water very good		Solubility in organic solvents 2-propanol
Flammability not applicable		Oxidizing properties not applicable		Explosive properties not applicable
Octanol/water partition coefficient no data available		Other properties -		

10. Stability and reactivity

Dangerous conditions - heating the preparation, especially to the temperature of more than 50°C, direct sunlight, contact with a hot surface or glowing material, sources of ignition, electrostatic discharges

Dangerous materials - oxidising mineral acids, free metals (alkali, alkaline masses), nitrides, organic hydroperoxides and peroxides, oxidants and reducing agents

Dangerous decomposition products – no data available

11. Toxicological information

Toxicity for alkyl polyglucoside:

Acute toxicity after ingestion LD50>5000mg/kg body weight

Acute toxicity skin – mildly irritant

Acute toxicity eyes – strongly irritant

Toxicity for butyldiglycol:

Acute toxicity-oral: LD50 – 5660 mg/kg (rat)

Acute toxicity-skin: LD50 – 2700 mg/kg (rabbit)

Acute toxicity: not applicable

Inhalation exposure: has no harmful effect

Skin contact: has no harmful effect

Contact with eyes: has no harmful effect

Swallowing: stomachache, nausea, vomiting.

Health effects of chronic exposure: mild irritation of mucous membranes, mild skin dryness

Sensitising effect: does not cause allergies

12. Ecological information

Admissible contamination of inland surface waters: no data available

Toxic concentrations for water animal and plant organisms:

Data for alkyl polyglucoside classification:

For fish LCD50>100mg

ISO method 7346/2 (semistatic)

Acute bacterial toxicity ECO50>100 mg

Data for butyldiglycol classification:

Acute toxicity for fish EC 1300 mg/l/96h (Lepomis macrochirus)

Acute toxicity for invertebrates EC50 3200 mg/l/24h (Daphnia magna)

Toxicity for activated sludge bacteria EC50 1170 mg/l/18h (Pseudomonas putida)

Soluble in water. Evaporates from water surface. Liquid has a harmful effect on water organisms and is biodegradable to a large degree. Oxidises fast in the air and water due to photochemical reactions.

13. Handling the waste

Observe the regulations of the waste act dated 27th April 2001 (the Journal of Laws No. 62 item 628) with subsequent amendments.

Observe the regulations of the packaging and waste packaging act dated 27th May 2001 (the Journal of Laws No. 63 item 638) with subsequent amendments.

Waste code:

Product	-	14 06 03	- other solvents and mixtures of solvents
Unit packaging	-	20 01 39	- plastics
Collective packaging	-	20 01 01	- paper and cardboard

14. Information on transport

The product does not constitute a dangerous substance within the meaning of transport regulations. Store away from food, foodstuffs. Store away from smell sensitive materials.

15. Information on legal regulations

The substances and chemical preparations act dated 11th January 2001 (the Journal of Laws No. 11, item 84 as of 14th February 2001) with subsequent amendments.

Product classification according to the order on the criteria and manner of chemical preparations and substances' classification, issued by the Minister of Health on 2nd September 2003 (the Journal of Laws No. 171, item 1666 dated 2nd October 2003).

Any works with the product should be performed in compliance with the regulations of IV section of 6th chapter D of the general OSH regulations order issued by the Minister of Labour and Social Policy on 26th September 1997 (the Journal of Laws No. 129 item 824) with subsequent changes (the Journal of Laws No. 91 /2002 item 811).

The product's marking must comply with the order on the marking of packaging for dangerous substances and dangerous preparations, issued by the Minister of Health on 2nd September 2003 (the Journal of Laws 173 item 1679 with amendments, the Journal of Laws 2004 No. 260, item 2595).

S2	- Keep out of the reach of children
S25	- Avoid contamination of eyes
S26	- Wash the contaminated eyes immediately with a large amount of water and seek medical assistance

16. Additional information

The information contained in the sheet results from the current state of knowledge and experiences in the use of the product. The data on this product has been presented in order to fulfil safety requirements, and not to guarantee its functional properties.

An employer is obliged to inform his employees who have contact with the product of the threats and personal protection means specified in this material safety data sheet.

This material safety data sheet has been prepared on the basis of material safety data sheets for the components provided by their producers, the conducted tests as well as the binding regulations applying to dangerous substances and chemical preparations.

R symbols:

R 36	Has an irritating effect on eyes
R 41	Risk of serious eye damage