

SOBO POWER

Water soluble, alkaline reactive cleaning agent

Created on: 15. 10. 2009

Reviewed on: 08. 04. 2010

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Trade name	SOBO POWER	
REACH registration	Preparation according to REACH Regulation (EC) No. 1907/2006	
Use	Water soluble, alkaline reactive cleaning agent	
Supplier	RAW Handel und Beratungs GmbH Grünstraße 5 D-79232 March-Hugstetten Phone +49 (0) 7665 / 934 29 - 0 Fax +49 (0) 7665 / 934 29 - 25 These numbers will only be staffed during office hours.	
Responsible Person	Mr J. Wittstock,	Phone +49 (0) 7665 / 934 29 - 0 This number will only be staffed during office hours.
Qualified Person	Dipl.-Ing. M. Fischer,	Phone +49 (0) 7665 / 934 29 - 17 This number will only be staffed during office hours. E-mail: sdb@raw-vertrieb.de
Emergency information (24 h)	Poison Information Center in Bonn,	Phone +49 (0) 228 / 19240

2. HAZARD IDENTIFICATION

The preparation is classified as dangerous in the sense of 1999/45/EC.

The preparation is subject to labelling. In all cases please note the information of the Safety Data Sheet.

Hazard symbol: X_i
Hazard warning label: Irritant

Particular risks for humans and the environment:

Irritating to skin. Risk of serious damage to eyes. As with all surface active materials, avoid prolonged skin contact. The product is aqueous based and non-volatile so that inhalation risk is minimal. In a concentration up to 15% in water, the product is not classified as dangerous. The product is not classified as hazardous to the environment. The product is not flammable or combustible. In all cases please note the information of the Safety Data Sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation:

Water soluble, alkaline reactive cleaning agent.

Hazardous ingredients:

Designation	EINECS	CAS No.	Conc. wt. %	Hazard symbol	R phrases	REACH
Sodium hydroxide	215-185-5	1310-73-2	0 - 2	C	R35	Pre-registered – Date of registration: 30.11.2010
Sodium metasilicate	229-912-9	6834-92-0	0 - 5	Xi	R34,37	Pre-registered – Date of registration: 30.11.2010
Trisodium nitrilotriacetate	225-768-6	5064-31-3	0 - 2	Xn	R22,36,40	Pre-registered – Date of registration: 30.11.2010
2-(2-Butoxyethoxy) ethanol	203-961-6	112-34-5	0 - 5	Xi	R36	Pre-registered – Date of registration: 30.11.2010
Alcohol ethoxylate	-	Polymer	0 - 5	Xn	R22,41	Pre-registered – Date of registration: 31.05.2018
Alkyl polyglucoside	-	Polymer	0 - 5	Xi	R41	Pre-registered – Date of registration: 31.05.2018

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4. FIRST AID MEASURES

After inhalation:	Low risk when used as intended. After inhalatory exposure, remove the affected person to fresh air and keep warm and still.
After skin contact:	Avoid unnecessary skin contact. After skin contact, wash immediately with plenty of water. Remove contaminated clothing and launder before reuse. Wash hands before eating.
After eye contact:	Remove contact lenses. Rinse eyes with running water for at least 10 minutes holding eyelids well apart and obtain further medical assistance.
After ingestion:	Low risk when used as intended. Do not swallow, rinse mouth with water. Drink water. Do not induce vomiting. An ingestion of the material may result in stomach complaints. May cause irritation to mucous membranes in mouth, throat, stomach and intestine. Consult a doctor.

5. FIRE FIGHTING MEASURES

General information:	The product itself is not flammable.
Suitable extinguishing media:	Use extinguishing media appropriate to the source of the fire.
In case of fire:	Wear self-contained breathing apparatus. Wear protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Person-specific precautionary measures:	Mark out the area of accidental release with signs. Prevent access to unauthorised people.
Environmental measures:	The product is not classified as hazardous to the environment. Prevent discharge of large quantities to drain or water courses by means of containment measures.
Procedure for picking up / cleaning:	Disperse small spillages with large excess of water. Pick up larger quantities using a binding material for liquids. Dispose of contaminated materials properly.

7. HANDLING AND STORAGE

Handling Information on safe handling	Observe general rules of health and safety at work as well as of industrial hygiene. Wash hands before eating. During filling, refilling and dosing as well as during sampling are to be used: gloves and protective goggles (see section 8).
Advice on fire and explosion protection	The product is not flammable.
Storage Requirements for storage rooms and vessels	Do not store at temperatures above 50 °C and protect from frost below 5 °C. Store the product in the original containers.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information on plant design: See section 7.

Components with occupational exposure limits requiring monitoring:

CAS number	Substance	Type of limit:	Value, unit:
1310-73-2	Sodium hydroxide	EH40:2005 8h TWA 50ppm	Not determined
		15min short-term exposure limit	2 mg/m ³
112-34-5	2-(2-Butoxyethoxy) ethanol	EH40:2005 8h TWA 50ppm	10ppm / 67,5 mg/l
		15min short-term exposure limit	15ppm / 101,2 mg/l

Engineering controls

General protection

Provide eyewash stations.

Personal protective equipment

Hand protection

Gloves

Eye protection

Wear protective goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Pale green
pH value	>12
Boiling point	Approx. 100 °C
Flash point	Not applicable
Vapour pressure	Corresponds to vapour pressure of water
Density	1,06 up to 1,08 g/cm ³
Solubility in water	Soluble
Viscosity	< 10 mPas

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions.

Materials to avoid:

None known

Conditions to avoid:

Do not store at temperatures above 50 °C and protect from frost below 5 °C.

Hazardous decomposition products:

None known

11. TOXICOLOGICAL INFORMATION

Health information:

Skin:

May cause skin irritation on prolonged or repeated contact.

Eyes:

May cause irritation to eyes. Possible damage to the eyes.

Ingestion:

Low acute toxicity. May cause irritation to mucous membranes in mouth, throat, stomach and intestine.

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Information on single components

Sodium metasilicate	LD50 oral (rat): 1153 mg/kg
Trisodium nitrilotriacetate	LD50 oral (rat): > 2000 mg/kg
2-(2-Butoxyethoxy) ethanol	LD50 oral (rat): > 5660 mg/kg
Alcohol ethoxylate	Oral: 200 < LD50 < 2000 mg/kg Dermal: LD50 > 2000 mg/kg Inhalation: LC50 > 5 mg/l
Alkyl polyglucoside	LD50 oral (rat): > 5000 mg/kg

11. TOXICOLOGICAL INFORMATION (continuation)

Sensitisation:	Not classified as sensitising.
Repeated dose toxicity (subacute, subchronic, chronic):	No effects known
CMR effects:	Trisodium nitrilotriacetate: Category 3 (EC): Causes concern for humans owing to possible carcinogenic effects.

12. ECOLOGICAL INFORMATION

Information on single components

Sodium metasilicate	EC50 Daphnia toxicity: 300 mg/l (24h) LC50 Fish toxicity: 124 mg/l (24h)
Trisodium nitrilotriacetate	LC50 Fish toxicity: 100 mg/l (96 h)
2-(2-Butoxyethoxy) ethanol	EC50 Algae toxicity: 53 mg/l (192) EC50 Daphnia toxicity: > 100 mg/l (48h) LC50 Fish toxicity: > 100 mg/l (96h)
Alcohol ethoxylate	LC/EC/IC50 Invertebrates: 1 - 10 mg/l LC/EC/IC50 Algae and fish toxicity: 10 - 100 mg/l LC/EC/IC50 Micro-organisms: > 100 mg/l
Alkyl polyglucoside	LC50 Fish toxicity: 1 - 10 mg/l LC50 Bacteria: > 100 mg/l
Mobility	Mobile
Persistence/degradability	The surface active component is biodegradable (according to EC Regulation on detergents No. 648/2004).
Accumulation	No bioaccumulation is expected.
PBT properties	The ingredients in this preparation do not meet the criteria for classification as PBT or vPvB.

13. DISPOSAL CONSIDERATIONS

Product	If reuse or recycling is not possible: Disposal in accordance with the Waste Recycling and Management Law (KrW-/AbfG).
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14. TRANSPORT INFORMATION

Land transport (ADR/RID):	No dangerous good in the sense of these transport regulations.
Inland waterway transport (ADN/ADNR):	No dangerous good in the sense of these transport regulations.
Sea ship transport (IMDG):	No dangerous good in the sense of these transport regulations.
Air transport (ICAO-TI / IATA-DGR):	No dangerous good in the sense of these transport regulations.

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15. REGULATORY INFORMATION

Labelling in accordance with EC Directives:

Hazard symbol: X_i
Hazard warning labelling: Irritant

R phrases

R38 Irritating to skin.
R41 Risk of serious damage to eyes.

15. REGULATORY INFORMATION (continuation)

S phrases

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28 After contact with skin, wash immediately with plenty of water.

Occupational health and safety regulations

Regulations for the prevention of industrial accidents of the employers' liability insurance associations and Technical Rules for Hazardous Substances.

16. OTHER INFORMATION

R phrases of the components

R22 Harmful if swallowed.
R34 Causes burns.
R35 Causes severe burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R40 Limited evidence of a carcinogenic effect.

Reservations when used: Avoid contact of undiluted product with light-alloy wheels.

The information given above is based on our present level of knowledge and does not constitute an assurance of properties. No claim is made to exhaustiveness. The information should only be considered a general guideline. Existing laws and regulations must be observed by the recipients of our product at their own responsibility. The company cannot be held responsible for damage resulting from the use of the product.