


SAFETY DATA SHEET




According to Commission Regulation (EU) No 453/ 2010 Annex I

	BS BOOSTER	Date of filing: 2009-07-27
		Last revision date: 2012-03-15

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


Product identifier	BS Booster
Relevant identified uses of the substance or mixture	Cleaning/ maintenance detergent for professional use - low foaming additive to alkaline solutions of bottle washer and CIP.
Supplier/ Manufacturer	UAB „BS Chemical“, Baltijos pr. 123-9, LT-93224 Klaipeda, Lithuania, tel./fax.: +370 46 366279, www.bs-chemical.com
E-mail address for a person responsible for the safety data sheet	dovile@bs-chemical.lt
Emergency telephone number	Poisons control and information office in Poland: + 48 58 349 28 31, + 48 12 646 87 06, + 48 61 848 10 11, + 48 22 619 66 54 ext. 1240

2. HAZARDS IDENTIFICATION

Classification of the substance/ mixture according to Regulation (EU) No 1272/ 2008 [CLP/ GHS]	Signal word: Danger	 GHS05	 GHS07
	Hazard class: Acute toxicity, category 4; Serious damage to eyes, category 1.		
	Hazard statements: H302 Harmful if swallowed. H318 Causes serious eye damage.		
	Precautionary statements: P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves / protective clothing /use eye (face) protection. P301 + P330 + P331+P310 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Immediately call POISON CENTER and the doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously several minutes with water. Remove contact lenses, if they present and it is easy to do. Continue washing eyes.		
Classification of the substance/ mixture according to Directive No 67/548/EEB	Risk phrases: R22 Harmful if swallowed. R41 Risk of serious damage to eyes.	 Xn Harmful	
	Safety phrases: S26 After contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 Use eye (face) protection.		
	S46 If swallowed, seek medical advice immediately and show this container or label.		

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3. COMPOSITION/ INFORMATION ON INGREDIENTS

Description of substance/ mixture Mixture of substances listed below with no hazardous additions.

Hazardous components:

Verse. No	CAS No	EC No	Index No	Mass fraction, %	Name	Classification according to Regulation (EU) No 1272/ 2008 [CLP/ GHS]
1.	64-02-8	200-573-9	607-428-00-2	45 – 60	tetrasodium ethylene diamine tetraacetate	Acute Tox. 4*; Eye Dam. 1; H302, H318

Verse. No	CAS No	EC No	Index No	Mass fraction, %	Name	Classification according to Directive No 67/548/EEB
1.	64-02-8	200-573-9	607-428-00-2	45 – 60	tetrasodium ethylene diamine tetraacetate	Xn, Xi; R22-41

Note: explanations of hazard symbols, risk phrases and other signs are listed in Sections 2 and 16.

Components according to EU Detergents Regulation Nr. 551/2009:

EDTA and its salts	45 – 60
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4. FIRST AID MEASURES


Description of the first aid measures	In all cases if the damage to health occurred, seek immediate medical attention. If a person is unconscious do not give any water/ do not put anything into the mouth. In If substance/mixture poisoning case was discovered immediately contact the nearest Poisons control and information centre.
After inhalation	If inhalation of solution's aerosols or vapors has occurred, immediately stop the contact - take out a suffering person to the fresh air, provide a peace. If respiratory impairment has occurred seek medical advice. If a person lost consciousness, lay him down steadily on a side and carry to the medical institution.
After skin contact	Immediately remove all contaminated clothing, wash with soap and plenty of water. If skin is burned, do not use a soap. If symptoms of damage develop, seek medical advice.
After eye contact	Rinse opened eye as soon as possible, at least 15 minutes wash eyes with running water lifting and lowering eyelids. Seek immediate medical attention.
After swallowing	Do not induce vomiting. If a person is conscious, remove substance residues from mouth, rinse it with water, drink plenty of water and seek immediate medical attention.

5. FIREFIGHTING MEASURES

Extinguishing media	Firefighting equipment must be selected assessing the properties of around burning materials.
Special hazards arising from the substance/	It is necessary to know the properties of other chemicals or

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mixture

mixtures used or stored together.

Advice for firefighters

During the fire, wear respiratory protective equipment and chemical resistant/ protective clothing. Personal protective equipment must be chosen assessing the properties of burning around materials.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Sufficient ventilation / respiratory protection/ contact with skin, eyes prevention.

Environmental precautions

Do not pour spilled material to the local drains, surface water, or nature environment.

Methods (material) for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, and sawdust). Residues neutralize and rinse with water. It is prohibited to discard the material in the trash basket or to pour back into the original container. Dispose gathered material according to the instructions.

Reference to other sections

View sections 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Store in a tightly closed original container, in a dry ventilated area. Do not store together with acids, strong oxidants. Keep container tightly closed in the temperature not lower than (+15°C) because at lower temperatures can cause salts' sediments.

Conditions for safe storage

For the professional use only. Use only in a well ventilated area, where exhaust ventilation is equipped strictly in accordance with the instructions. Use common rules/instructions when working with chemicals. Do not mix with other chemicals. During the process do not eat, drink or smoke. Do not allow concentration of vapors in the air to exceed allowable threshold. Use appropriate personal protective equipment as indicated in Section 8.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Not determined.

Appropriate engineering controls

General, local exhaust ventilation. Avoid the spills, and any contact with this mixture, see Section 7.

Personal protective equipment:

General protective and hygienic measures


Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of the work. Avoid contact with eyes and skin.

Hands protection

Protective gloves. The material of the gloves should be resistant to the substance/ mixture. The material of the gloves - natural, neoprene or nitrile rubber, PVC. Penetration time of the material

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check out with manufacturer.

Eye protection

To prevent getting into the eyes- wear safety glasses, face covering shields.

Respiratory protection

In the case of insufficient ventilation, or in an emergency – the protection against aerosols must be used; filtering half masks against harmful liquid aerosols and valve filtering half masks against gases and particles.

Environmental impact control

See sections 6 and 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid, viscous
Color	Clear, from light yellow to green-brown.
Odor	Specific odor of ammonia.
pH, 1 %, 25°C	12,0 – 13,0
The relative density, g/cm ³ , 20°C	1,25 – 1,30

10. STABILITY AND REACTIVITY


Chemical stability	Used according to specifications, under normal conditions - stable. Stable in contact with acids, alkalis. Sufficiently resistant in contact with low oxidants.
Conditions to avoid/ incompatible materials	Humidity and strong oxidizing agents (potassium permanganate, chromic and nitric acids), which can divide the product.
Hazardous decomposition products	Reaction products depend on the substances/mixtures involved in the chemical reactions.

11. TOXICOLOGICAL INFORMATION

Toxicological effects	On the basis of chemical information, it can be said that the mixture is characterized by acute toxicity category 4, when swallowed by animals (rats) during the experiment.
Primary irritant effect	Skin: may cause irritation of skin. The damage depends on the exposure time and concentration of the solution. Eyes: irritant effects - pain, redness, vision changes, can cause irreversible damage to the eyes. Inhalation: inhalation of aerosols is possible respiratory irritation. Ingestion: can damage digestive tract.
Additional toxicological information:	-

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12. ECOLOGICAL INFORMATION

Toxicity	On the basis of chemical information, it can be said that the toxicity of the mixture to natural environment (fish) does not exceed the lowest toxicity value. The substance / mixture is not classified as environmentally hazardous.
Persistence and degradability	Not determined.
Bioaccumulative potential	Not determined.
Mobility in soil	Soluble in water. Before being released into waste water or sewage system must be diluted with water or neutralized.
Other adverse effects	Threat to aquatic and soil organisms can be caused by changes in local environment's pH.

13. DISPOSAL CONSIDERATIONS

Disposal of product	Dispose according to local waste disposal regulations. Do not dispose in the trash, and local storm drains or surface water.
Disposal of packaging	Waste must be managed according to the Waste Management Act. Packaging waste must be handled according to Packaging and Packaging Waste Management Act. The product must be diluted with water or neutralized before released into sewage system. Washed and dried packaging can be reused.

14. TRANSPORT INFORMATION

Transport classification	Land transport ADR / RID (international/internal transportation).
UN number	3267
UN proper shipping name	Alkaline liquid, k. n.
Transport hazard classes	8 corrosive substances
Packing group	II
Special precautions for user	-


15. REGULATORY INFORMATION

Information on legal regulations related to the substance / mixture:

1. Commission Regulation (EC). 551/2009.
2. European Parliament and Council Regulation (EC). 1272/2008 on the classification, labeling and packaging
3. Parliament and Council Regulation (EC). 1907/2006

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4. European Parliament and Council Regulation (EC) Nr. 1907/2006 dated December 18 2006, concerning the Registration Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EB and repealing Council Regulation (EEC) Nr. 793/93 and Commission Regulation (EC) Nr. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EEC and 2000/21/EC.
5. Hazardous chemical substances and packaging requirements and packaging arrangements. (Approved by the Minister in November 2002 by Order No. 19. 5989, Official Gazette., 2002, no. 115-5161, 2008, 53-1989)
6. HN 23:2007 "Occupational exposure limit values. Measuring the Impact Assessment and General Requirements (Approved by the Ministry of Health and Social Security and Labour of 15 October 2007 by Order No. V-827/A1-287, Official Gazette., 2007, no. 108-4434).
7. The list of Special first aid equipment and hazardous chemicals and biological agents causing acute health problems (Approved by the Ministry of Health in December 2003 by Order No. 24. V-769, Official Gazette., 2004, no. 7-157)
8. Regulations of employees with personal protective equipment. (Approved by the Ministry of Social Affairs and Labour 2007. November 26, Order No. A1-331, Official Gazette., 2007, no. 123-5055).
9. European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
10. Packaging and Packaging Waste Regulations (Approved by the Minister in June 2002 by Order No. 27. 348, Official Gazette, 2002, no. 81-3503).
11. Waste Management Regulations (Approved by the Minister in December 2003 by Order No. 30. 722, Official Gazette, 204, no. 68-2381).

16. OTHER INFORMATION

Explanations of Hazard symbols and numeric characters (described in Section 3):

Acute Tox. 4*	Acute toxicity, category 4.
Eye Dam. 1	Eye irritation, category 1.
Xi	Irritant.

This safety data sheet must be available to anyone who works with this type of chemical product. Data is in line with our current knowledge and it describes a chemical product, offers safety, occupational health, and environmental recommendations. This information will be added if new data about this chemical product will be ready. Material Safety Data Sheet does not disclose any specific chemical characteristics of the product.

This safety data sheet was reviewed assessing the requirements of REACH and GHS regulations. On December the 1, 2015 DSD mixture classification, labeling and packaging requirements will be replaced by CLP rule requirements. UAB "BS Chemical" refers to the CLP / GHS Regulations, and always keeps up to date Material Safety Data Sheets according to the chemical suppliers' Material Safety Data Sheets.