SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

1.1. Product name: **Shower Cleaner**
1.2. Product description: remove acidic cleaning agents
1.3. Manufacturer & Supplier:
Well Done St. Moritz Kft.
Address: H-2900 Komárom, Mártírok útja 92. Hungary
Phone number: (36) 34 340 312, Fax number: (36) 34 540 129
E-mail: welldone@welldone.eu
www.welldone.eu
1.4. Emergency Call: Hungarian Health and Toxicological Information Service (ETTSZ)
Phone number: (+36) 1 476-6464, (+36) 80 201-199

2. Hazard identification

The product is classified as a hazardous preparation

2.1. Classification under CLP: Skin Irrit. 2, H315, Eye Irrit. 2, H319

2.2. Labeling: necessary pictogram: GHS07

WARNING

H-phrases:
H315 Skin irritation
H319 Causes serious eye irritation.
P-phrases:
P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray..
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P337+P313 If eye irritation persists: Get medical advice/attention.

Hazard determining components: Phosphoric acid
Composition according to the 648/2004 / EC: 5-15% phosphate, < 5% non-ionic surfactant. < 5% anionic surfactant. It contains fragrance.

2.3.Other information: strong acid, it reacts violently with alkalis. An active chlorine-containing materials / products in contact with toxic chlorine gas.

3. Composition/information on ingredients

Phosphoric acid CAS No: 7664-38-2 EU No: 231-633-2	10%	Met. Corr. 1, H290; Skin Corr. 1B, H314

Sodium alkyl (C12-14) ether sulfate CAS No: 68891-38-3 EU No: 500-234-8	<1,5%	Skin Irrit. 2, H315 Eye Dam. 1; H318 Aquatic Chronic 3, H 412
C12-15 alcohol ethoxylate CAS No: 68131-39-5 EU No: 500-195-7	<1%	Acute Tox. 4, H302 Eye Dam. 1; H318
Methanol CAS No: 67-56-1 EU No: 200-659-6	1,5-<2%	Flam. Liq. 2 , H225 Acute Tox. 3 (oral, dermal, inhal.), H301, H311, H331 STOT SE 1, H370
2-butoxyethanol CAS No: 111-76-2 EU No: 203-905-0	1%	Acute Tox. 4 (oral, skin, inhal.), H302, H312, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319

For full text of risk phrases, please refer to Section:16.

4. First Aid measures

4.1.General information: Move victim away from the source of exposure. Remove contaminated shoes,socks and clothing and they should be cleaned or washed before re-use. To drink water or to induce vomiting is forbidden if the victim is unconscious or suffers from convulsions.
If toxic symptoms develop or suspicion of intoxication arises call a poison control centre or physician immediately. Show the label and the safety data sheet of the product to the physician.
4.2.If inhaled: Move victim to fresh air, keep in rest and warm, dragging garments should be loosened. Seek immediate medical attention.
Skin: Remove contaminated clothing and shoes. Wash off the affected skin with cold running water and soap thoroughly for at least 20 minutes. If corrosive injuries happen, immediate medical help or hospitalization is necessary. Wash the contaminated clothing before re-use.
Eye: Flush eyes with large amount of water holding the eyelids wide open and moving eyeballs continuously for at least 15 minutes. Seek ophthalmologist immediately, the product is a strong alkaline solution; it can cause serious eye damage.
If swallowed: Wash out mouth cavity with water if the victim is conscious. DO NOT INDUCE vomiting. Have conscious person drink several glasses of water to dilute the ingested strongly alkaline product. Never give an unconscious person anything to ingest. If foam appears, do not make victim drink water, and take care not to let foam get into the lung. Seek immediate medical attention. Show the label and the safety data sheet of the product to the physician.

5. Fire fighting measures

5.1.Suitable extinguishing media: water spray, dry chemical; adapt fire fighting operation to surrounding fire
5.2.Hazardous combustion gases: phosphorus oxides,carbon monoxide, carbon dioxide, nitrogen oxides
5.3. Advice for firefighters: suitable protective clothing and the ambient air-independent breathing apparatus required. Persons with no protective equipment removed.
5.4.Other informations: The product is not considered to be a fire hazard (aqueous solution).

6. Accidental release measures

6.1.Person-related precautionary measures: See Section 8. Avoid contact and inhalation of the product. Keep unprotected person away.
6.2.Spill/release: Pay attention to danger of slipping. In the event of a major spillage, absorb large quantities of liquid into inert material with extreme absorbing properties, such as sand, peat and remove it in closed containers for disposal in accordance with the local regulations. Wash off remaining material with large amount of water. Do not let me mix alkaline or chlorine-containing nut case. A small amount of spilled product large amount of water be rinsed.

6.3.Environmental precautions: Prevent spilled material or wash water from entering into drains, surface waters, sewers, groundwater systems.

7. Handling and storage

7.1.Handling: Work watchfully! Prevent eye, skin contact and accidental ingestion. Do not breathe the mist/spray of the product! Do not mix it with other detergents!
7.2.Storage: Store upright in a cool, well ventilated area, frost-free, keep away from alkalis. Keep away from food, feed, reach of children and pets, and heat sources.

8. Exposure controls/personal protection

8.1. control parameters

Occupational exposure limits:
phosphoric acid: AK: 1mg/m^3; CK: 2 mg/m^3.
methanol: AK:260 mg/m^3
2-butoxyethanol: AK: 98 mg/m^3 ; CK:246 mg/m^3
AK: permitted average concentration, CK: permitted peak concentration Hungarian EüM–SZCSM Decree No 25/2000.

DNEL: DERIVED NO EFFECT LEVEL
Phosphoric acid:
long -term inhalation exposure, topical effect: 0,73-1 mg / m3
long-term inhalation, topical effect: 2 mg / m3

Sodium alkyl (C12-14) ether sulfate:
systemic effect, long-term dermal exposure: 1650-2750 mg / kg / day
systemic effects with long -term oral exposure: 15 mg / kg / day
systemic effect of inhaled long-term exposure: 52 mg / m3
Systemic exposure, inhaled, short exposure: 175 mg / m3

methanol:
Systemic exposure, inhaled, short / long-term exposure: 50-260 mg / m3
systemic effects, dermal, short / long-term exposure: 8-40 mg / kg / day

2-butoxyethanol:
systemic effects, dermal, short / long-term exposure: 75 mg / kg / day
Systemic exposure, inhaled, short / long-term exposure: 98 mg / m3

PNEC: PREDICTED NO EFFECT CONCENTRATION
Sodium alkyl (C12-14) ether sulfate:
freshwater: 0.24 mg / l; freshwater sediment: 5.45 mg / l
sea water: 0.024 mg / l; marine sediment: 0.545 mg / l
soil: 0.946 mg / kg
STP: 10 g / kg

methanol:
freshwater: 20.8 mg / l; freshwater sediment: 77 mg / l
seawater, 2.08 mg / l; marine sediment 7.7 mg / l
soil: 3.18 mg / kg
STP: 100 mg / kg

2-butoxyethanol:
freshwater: 8,8 mg / kg; freshwater sediment: 34,6mg / kg
seawater, 0,88 mg / l; marine sediment 3,46 mg / kg

8.2.Technical measures:
Ensure that the usual protective measures of handling chemicals are kept.
Ensure sufficient ventilation.
Provide appropriate personal protective equipments.

8.3.Hygiene measures:
Do not eat, drink or smoke while handling.
Wash hand thoroughly after handling.
8.4.Personal protective equipments:
Respiratory system: Using protective mask is mandatory to protect against acid spray of the product if it is used in a close space, or applied by spraying, or if ventilation is weak.
Skin protection: Wear protective clothes and chemical resistant gloves (nitrile, neoprene, butyl).
Eye protection: Wear suitable eye protection when working.
Running warm and cold water must be provided during and after working hours.

9. Physical and chemical properties

Physical form: liquid
Color: urquoise
Odor: product features
Density (25 C): 1.07 +- 0.3 g/cm3
pH: ~3
Solubility in water: unlimited
Flash point: >98 C^0

10. Stability and reactivity

10.1. Chemical stability: alkali reacts with evolution of heat, the active chlorine containing products of chlorine gas evolves.
10.2.Conditions to avoid: heat, may decompose by heating
10.3.Materials to avoid: alkalis, basic compositions, the active chlorine containing products. Do not mix with other products!
10.4. Conditions to avoid: heat, frost, contact with alkalis, active drugs (eg hipooldatok.) Containing chlorine. Do not mix with other products.

11. Toxicological information

11.1. Product targeted toxicological studies have not been conducted.
Despite extreme pH value of the product is not classified in view of the cutter of phosphoric acid and sulfamic called. alkali / acid reserve value
11.2. Information on ingredients: phosphoric acid and methanol has harmonized EU classification.
Information on ingredients that do not have EU classification:
C12-15 alcohol ethoxylate:
Oral LD50 (rat)> 1000 mg / kg
Dermal LD50 (rabbit):> 2000 mg / kg
LC50 (rats, 4 h): 1.5-20.7 mg / l
Eye: risk of irreversible damage exists
Sensitization: not sensitizing (guinea pig).
Mutagenicity: not mutagenic in vitro (OECD 473)
Carcinogenicity: rat, oral, 2 years: not a carcinogen.
Reproductive toxicity: NOAEL (oral, dermal):> 250 mg / kg / day
Reproductive toxicity: NOAEL:> 250 mg / kg / day
NOAEL (subacute, rodents, 28 days): 471-502 mg / kg / day, OECD 407
NOAEL (sub-chronic dermal, 90 days): 80 mg / kg / day, OECD
NOAEL (sub-chronic, oral, 90 days): 102 mg / kg / day, liver
Other information: significant effect, critical hazards known.

Sodium alkyl (C12-14) ether sulfate:
Oral LD50 (rat):> 2000-5000 mg / kg OECD 401
Dermal LD50 (rabbit):> 2000 mg / kg
Skin: irritating to the skin OECD 404
Eyes: Risk of eye damage / Risk of irreversible damage exists, OECD 405
Sensitization: not sensitizing (guinea pig) OECD 406
Germ cell mutagenicity: not mutagenic, carcinogenic Unlikely

Reproductive toxicity NOAEL> 300 mg / kg / day, OECD 416
Reproductive toxicity: NOAEL:> 1000 mg / kg / day, OECD 414
NOAEL (sub-chronic, oral, 90 days):> 225 mg / kg / day, liver, OECD 408
Other information: significant effect, critical hazards known.

11.3. Effects of exposure:

Ingestion: severe damage in the mucous membrane of gastrointestinal tract
Inhalation may cause irritation to the respiratory system.
Skin: irritates
Eye: strongly irritating to eyes
The product does not contain any carcinogenic components.

12. Ecological information

12.1. Toxicity: Product targeted studies have not been conducted.

12.2.Persistence and degradability :

Phosphoric acid: LC50 (Gambusia affinis, 72 h): 138 mg / l
C12-15 alcohol ethoxylate: LC50 (Fish, 96 h): 1.4 - 16 mg / l
EC50 (Dapnia magna, 48 h): 1.3 -1.6 mg / l
ErC50 (algae, 72 h): 3.77 mg / l
Sodium alkyl (C12-14) ether sulfate: LC50 (Fish, 96 h): 7.1 mg / l
EC50 (Daphnia magna, 48 h): 7.4 mg / l
IC50 (algae, 72 h): 27.7 mg / l;
NOEC (algae, 72 h): 0.95 mg / l

12.3. Bioaccumulation: phosphoric acid does not bioaccumulate, the log $P_{o/w}$ approx. 0.3. Bioaccumulation potential of a C12-15 alcohol ethoxylate compounds is low, the BCF is <100, but the log $P_{o/w}$: 4.23 - 5.85.

12.4. Mobility in soil: No data.

12.5. PBT, vPvB assessment: No data.

12.6. Other information: Large quantities of product and its waste must not be poured to sewers, drains, and natural waterways without prior diluting or neutralization.Pay attention to pH of waste water if you enter acidic or alkaline products to the public drainage system.The pH value must remain in the range of 6 to 10. Outlying pH value may damage the sewage system, or the biological waste water treatment systems.

13. Disposal considerations

Product disposal: In accordance with local regulations.
Packaging disposal: In accordance with local regulations.

14. Transport information

According to the international transport regulations:
ADR/RID: UN-number: 1805
Proper shipping name: PHOSPHORIC ACID SOLUTION
Packing Group III; Label: 8
Limited and discount rate 5 liters and E1
Class: 8 Classification code: C1 Hazard identification number: 80 Tunnel restriction code: 3 (E)

15. Regulatory information

Relevant Community legislation, (1907/2006/EC) and amendments (987/2008 , 134/2009/EK , 552/2009/EK , 453/2010/EK) REACH Regulation DSD and DPD Directive, 67/548/EEC and 1999/45/EC CLP Regulation (1272/2008/EC) , as amended Biocidal pieces of legislation: Directive 98/8/EC No 1451/2007/EK Detergent Regulation, 648/2004/EC and its amendments Relevant national legislation Chemical safety: 2005th CXXVII . to 2004. XXVI . amended by Law 2000th XXV . Dangerous for the environment , the 44/2000. (. XII.27) Ministry of Health and its amendments ;25 / 2000th (IX.30 .) ACGIH TLV band and its amendments . Health and safety: the 2007th CLXII year . Law for 2004. Act XI . Law and the 1997th CII . amended by Law 1993rd XCIII . Occupational Safety and Health Act. Biocides Regulation 38 / 2003rd (. VII.7) ESzCsSM Ministry of Agriculture , Ministry of Environment co - regulation and amendments thereto; Waste : . (. Chapter 15) 98/2001 Decree ,

and the 16 / 2,001th KöM (VII.18 .) Fire protection: the 1996 Convention. Act XXXI . Law on protection against fire, technical rescue and fire brigades , the 9 / of 2008. ÖTM (II.22 .) .

16. Other information

The safety data sheet is characterized by the safety requirements of the product and is not intended to guarantee certain of its properties, is not a substitute for product specifications. The information, data and recommendations contained in this safety data sheet is based on our best knowledge and awareness, and they are accurate, we know to be correct at time of publication and believe. The user takes responsibility for themselves as to the application and use of the product.The data does not imply any legal liability or responsibility for the consequences of any circumstances, use or misuse of the result.

Explanations used for the hazard
Met. Corr.1: Corrosive to metals category 1
Eye Dam. 1: Serious eye damage / eye irritation category 1
Skin Irrit. 2: Skin Irritation category 2
Aquatic Chronic 3: hazardous to aquatic organisms category 3
Skin Corr.1A: Corrosion category 1
STOT SE 1: specific target organ toxicity single exposure category 1
Acute tox.4: acute toxicity category 4

H phrases (indications of danger) used in step 3 Safety Data Sheet:
H290 May be corrosive to metals.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Skin irritation
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H370 Causes damage to organs.
H412 Harmful to aquatic life with long lasting effects.

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