

SAFETY DATA SHEET

Universal ultrasonic cleaning powder

Part No.: AS-UCP powder

Section 1: Identification of the substance/mixture and company/undertaking

PRODUCT NAME: ASonic universal cleaning powder for ultrasonic baths

Manufacturer:

ASONIC d.o.o.
Tržaška cesta 134
1000 Ljubljana
Slovenia
Tel: +386.41.566618
e-mail: order@asonic.si

INTERNAL ID: AS-UCP-100g; AS-UCP-250g; AS-UCP-2000g

APPLICATION: General Cleaning and Degreasing in ultrasonic cleaners

Section 2: Hazards identification

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification (EC 1272/2008):

Physical and Chemical Hazards: Not classified

Human health: Not classified

Environment: Not classified

Classification (1999/45/EEC): Not classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

LABEL ELEMENTS:

Label In Accordance With (EC) No. 1272/2008

No pictogram required

Precautionary Statements:

P102 Keep out of reach of children.

P305 IF IN EYES:

P351 Rinse cautiously with water for several minutes.

P313 Get medical advice/attention.

Supplemental label information

EUH210 Safety data sheet available on request.

Other hazards: None known.

Section 3: Composition/information on ingredients

Mixtures:

ETHANEDIOL < 2%

CAS-No.: 107-21-1, EC No.: 203-473-3

Classification (EC 1272/2008) Acute Tox. 4 - H302

Classification (67/548/EEC) Xn; R22

SODIUM LAURYL SULPHATE BP 2-3%

CAS-No.: 151-21-3, EC No.: 205-788-1

Classification (EC 1272/2008) Flam. Liq. 2 - H225

Acute Tox. 4 - H302 Acute Tox. 4 - H332

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

STOT Single 3 - H335

Classification (67/548/EEC)

Xn; R20/22

Xi; R37/38, R41

F; R11

TRISODIUM PHOSPHATE (ANHYDROUS) 5-10%

CAS-No.: 7601-54-9, EC No.: 231-509-8

Classification (EC 1272/2008) Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

STOT Single 3 - H335

Classification (67/548/EEC)

Xi; R36/37/38.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16

Section 4: First aid measures

General information: CAUTION! First aid personnel must be aware of own risk during rescue! Contact physician if discomfort continues.

Inhalation: Move the exposed person to fresh air at once.

Ingestion: Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if Irritation persists after washing.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed:

Inhalation: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Skin contact: Powder may irritate the skin.

Skin irritation: /

Eye contact: May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed:

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

Section 5: Fire-fighting measures

Extinguishing media: Extinguishing media Water spray.

Special hazards arising from the substance or mixture:

Specific hazards In case of fire, toxic gases may be formed.

Advice for firefighters: Protective equipment for fire fighters.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid inhalation of dust. Avoid contact with skin and eyes. For personal protection, see section 7 and 8.

Environmental precautions

Avoid discharge into drains, watercourses or onto the ground.

Methods and material for containment and cleaning up:

Avoid generation and spreading of dust. Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Wash down with water. Dispose as normal detergent waste.

Reference to other sections:

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

Section 7: Handling and storage

Precautions for safe handling: Avoid inhalation of dust and contact with skin and eyes. Take care when opening bulk powder.

Mix with small quantity of water first to minimise aerosol effect. Ventilate well. Static electricity and formation of sparks must be prevented. Wear protective clothing as described in Section 8 of this safety data sheet. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

Conditions for safe storage, including any incompatibilities: Store in tightly closed original container in a dry, cool and well-ventilated place.

Specific end use(s): The identified uses for this product are detailed in Section 1.2.

Usage Description: 5-year shelf life.

From the data on storage duration in this safety data sheet no agreed statement regarding the warrantee of application properties can be deduced.

Section 8: Exposure controls/personal protection

Control parameters:

Name	STD	TWA - 8 Hrs.	STEL - 15 Min	Notes
ETHANEDIOL	WEL	52 mg/m ³ (Sk)	104 mg/m ³ (Sk)	

WEL = Workplace Exposure Limit.

Exposure controls:

Protective equipment:



Engineering measures: Provide adequate general and local exhaust ventilation.

Respiratory equipment: If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection: The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection: Wear approved, tightly fitting safety glasses where splashing is probable. EN166

Other Protection: Provide eyewash station.

Hygiene measures: When using do not eat, drink or smoke. Good personal hygiene is necessary. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands after contact. Wash hands after handling. Wash contaminated areas with water and soap before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Skin protection: Wear apron or protective clothing in case of contact.

Environmental Exposure Controls: Avoid release to the environment. Users should be aware of environmental considerations and their duties under the environmental protection act.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties:

Appearance Powder, dust

Colour Pale Blue/White

Solubility Miscible with water (flocculation may occur <15°C)

Initial boiling point and boiling range 100

Vapour pressure Not applicable

pH >11.0 in 2.5% solution @20°C

Explosive properties Not applicable

Other information: Not available. Not determined.

Section 10: Stability and reactivity

Reactivity: Do not mix with acids (alkaline solution)

Chemical stability: Stable under normal temperature conditions and recommended use

Possibility of hazardous reactions: Hazardous Polymerisation Will not polymerise

Conditions to avoid: Take precautionary measures against static discharges

Incompatible materials: Materials To Avoid Acids

Hazardous decomposition products: None under normal conditions

Section 11: Toxicological information

Information on toxicological effects:

Other Health Effects This substance has no evidence of carcinogenic properties.

Acute toxicity

Oral LD 50 (CAS 7758-29-4) >2000 mg/kg bw rat

Oral LD 50 (CAS 7757-82-6) >2000 mg/kg bw rat

Oral LD 50 (CAS 7601-54-9) >2000 mg/kg rat

Oral LD 50 (CAS 151-21-3) >1500 mg/kg rat

Dermal LD 50 (CAS 7758-29-4) >4640 mg/kg bw rabbit

Dermal LD 50 (CAS 151-21-3) >500 mg/kg rabbit

Inhalation LC 50 (CAS 7758-29-4) >0.39 mg/ L air 4 h rat

Inhalation LC 50 (CAS 7757-82-6) >2.4 mg/ L air 4 h rat.

Inhalation LC 50 (CAS 7601-54-9) >0.83 mg/ L air 4 h rat

Inhalation LC 50 (CAS 151-21-3) >3, 900 mg/m³ 1 h rat

Respiratory or skin sensitization: Not available

Germ cell mutagenicity:

Genotoxicity- In vitro: Not available

Genotoxicity- In vivo: Not available

Carcinogenicity: Not available

Reproductive Toxicity:

Reproductive Toxicity – Fertility: Not available

Specific Target Organ Toxicity – single ex.: Not available

Specific Target Organ Toxicity – repeated ex.: Not available

Inhalation: No specific health warnings noted

Ingestion: No specific health warnings noted

Skin contact: Powder may irritate skin

Eye contact: May cause temporary eye irritation

Section 12: Ecological information

Eco toxicity: The product is not expected to be hazardous to the environment.

Toxicity:

Acute Toxicity Fish (CAS 7758-29-4) 24 h LC50 >1850 mg/l basis for effect mortality
Acute Toxicity Fish (CAS 7757-82-9) 48 h LC50 >7960 mg/l basis for effect mortality
Acute Toxicity Fish (CAS 151-21-3) 96h LC50 29 mg/l basis for effect mortality
Acute Toxicity Aquatic Invertebrates (CAS 7758-29-4) Daphnia magna 48 h EC 50 >100 mg/l
Acute Toxicity Aquatic Invertebrates (CAS 7757-82-6) Daphnia magna 48 h EC50 4736 mg/l
Acute Toxicity Aquatic Invertebrates (CAS 151-21-3) Ceriodaphnia dubia 48 h LC 50 5.55 mg/l
Acute Toxicity Aquatic Invertebrates (CAS 7601-54-9) Daphnia magna 48 h EC 50 276.61 mg/l
Acute Toxicity-Aquatic Plants (CAS 7758-29-4) Algae 7 d EC 50 >900 mg/l basis for effect growth rate
Acute Toxicity-Aquatic Plants (7757-82-6) Algae 120h EC 50 1900mg/l
Acute Toxicity-Aquatic Plants (151-21-3) Algae 72 h EC 50 >120 basis for effect growth rate
Acute Toxicity-Microorganisms (CAS 7757-82-6) NOEC 37 d 26 mg/l bacteria in activated sludge
Chronic Toxicity - Fish Early life Stage: Scientifically unjustified
Chronic Toxicity - Aquatic Invertebrates: Scientifically unjustified
Acute Toxicity – Terrestrial: Scientifically unjustified

Persistence and degradability:

Degradability: There are no data on the degradability of this product. The surfactants contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EU) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Bio accumulative potential: No data available on bioaccumulation

Mobility in soil The product is soluble in water

Results of PBT and vPvB assessment: No data available

Other adverse effects: None known

Section 13: Disposal considerations

General information Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Waste treatment methods: Dispose of waste and residues in accordance with local authority requirements. Board packaging is recyclable.

Section 14: Transport information

General: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class (es): Not applicable

Packing group: Not applicable

Environmental hazards:

Environmentally Hazardous

Substance/Marine Pollutant: No

Section 15: Regulatory information

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

UK Regulatory References: Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labeling of Substances and Preparations Dangerous for Supply.

Guidance Notes: Workplace Exposure Limits EH40. CHIP for everyone HSG (108). Introduction to Local Exhaust Ventilation HS (G) 37.

EU Legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

National Regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended)

Chemical Safety Assessment: No chemical safety assessment has been carried out.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

Section 16: Other information

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Safety Data Sheet Status Approved

Risk Phrases In Full:

R20/22 Harmful by inhalation and if swallowed
R22 Harmful if swallowed.
R11 Highly flammable
R36/37/38 Irritating to eyes, respiratory system and skin
R37/38 Irritating to respiratory system and skin
NC Not classified
R41 Risk of serious damage to eyes
Hazard Statements In Full
H318 Causes serious eye damage
H319 Causes serious eye irritation
H315 Causes skin irritation
H332 Harmful if inhaled
H302 Harmful if swallowed
H225 Highly flammable liquid and vapour
H335 May cause respiratory irritation

Legal disclaimer:

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. It does not comprise technical or performance specification for this product. The above information is based on the present state of our knowledge at the time of publication and is intended solely as a general guide to the health, safety and environmental implications of this product for handling and disposal during general use.

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