



SAFETY DATA SHEET CLEANLINE DISHWASH POWDER

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name CLEANLINE DISHWASH POWDER
Container size 2 x 5 kg

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Machine dishwashing detergent.

1.3. Details of the supplier of the safety data sheet

Supplier PRIME SOURCE
 P O BOX 15247
 BIRMINGHAM
 B22 3HN
 0121 328 6740
 inf@prime-source.co.uk
Contact Person SDS information provide by sds@coventrychemicals.com

1.4. Emergency telephone number

0121 328 6740 (Office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) C;R34. Xi;R37. R52/53.

2.2. Label elements

Contains DISODIUM METASILICATE
Labelling



Corrosive

Risk Phrases

R34	Causes burns.
R37	Irritating to respiratory system.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S2	Keep out of the reach of children.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S51	Use only in well-ventilated areas.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

CLEANLINE DISHWASH POWDER

DISODIUM METASILICATE		30-40%
CAS-No.: 6834-92-0	EC No.: 229-912-9	
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT Single 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37	
SODIUM CARBONATE		15-30%
CAS-No.: 497-19-8	EC No.: 207-838-8	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36	
C12-15 FATTY ALCOHOL 7MOL EO		2.5-5%
CAS-No.: 68131-39-5	EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.	
TROCLOSENE SODIUM		1-2.5%
CAS-No.: 2893-78-9	EC No.: 220-767-7	
Classification (EC 1272/2008) Ox. Sol. 2 - H272 EUH031 Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT Single 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) E;R2 O;R8 Xn;R22 Xi;R36/37 R31 N;R50/53	

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Get medical attention if any discomfort continues.

Inhalation

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention. For breathing difficulties oxygen may be necessary.

Ingestion

Never give liquid to an unconscious person. Immediately rinse mouth and drink plenty of water (200-300 ml). DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

General information

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

Inhalation.

Severe irritation in nose and throat. May cause an asthma-like shortness of breath.

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Ingestion

Will Immediately cause corrosion of and damage to the gastrointestinal tract.

Skin contact

May cause serious chemical burns to the skin.

Eye contact

May cause severe inflammation, corneal ulcers and permanent impairment of vision.

4.3. Indication of any immediate medical attention and special treatment needed

Remove contaminated clothing and wash all affected areas with plenty of water. Symptomatic treatment and supportive therapy as indicated.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

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

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Do not allow ANY environmental contamination.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Shovel into dry containers. Cover and move the containers. Flush the area with water.

6.4. Reference to other sections

For waste disposal, see section 13. See section 11 for more detailed information on health effects and symptoms.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Provide good ventilation. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Never add water directly to this product - may cause vigorous reaction/boiling. Always dilute by carefully pouring the product into the water. Do not eat, drink or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container. Store in a dry place.

Storage Class

Corrosive storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment

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Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³.

Hand protection

Wear protective gloves. Neoprene, nitrile, polyethylene or PVC.

Eye protection

Wear tight-fitting goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

Promptly remove any clothing that becomes contaminated.

Environmental Exposure Controls

Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: www.dti.gov.uk/access/index/htm and www.envirowise.gov.uk.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Crystalline powder.
Colour	White.
Odour	Detergent. Unperfumed.
Solubility	Soluble in water.
Initial boiling point and boiling range	
Not applicable.	
Melting point (°C)	
Not applicable.	
Relative density	0.92-1.07
Vapour density (air=1)	
Not determined.	
Vapour pressure	
Not determined.	
Evaporation rate	
Not determined.	
Evaporation Factor	
Not applicable.	
pH-Value, Conc. Solution	12.0-12.4 (1% solution)
Viscosity	
Not determined.	
Solubility Value (G/100G H ₂ O@20°C)	
Not applicable.	
Decomposition temperature (°C)	
Not applicable.	
Odour Threshold, Lower	
Not applicable.	
Odour Threshold, Upper	
Not applicable.	
Flash point (°C)	
Not applicable.	
Auto Ignition Temperature (°C)	
Not applicable.	
Explosive properties	
Not applicable	

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Oxidising properties

Not applicable.

9.2. Other information

Not relevant

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic chlorine gas.

10.4. Conditions to avoid

Water, moisture. Do not mix with other cleaning chemicals

10.5. Incompatible materials

Materials To Avoid

Acids.

10.6. Hazardous decomposition products

Chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No information available.

Other Health Effects

This substance has no evidence of carcinogenic properties.

Respiratory sensitisation

No information available.

General information

Corrosive to skin and eyes.

Inhalation

Dust is severely irritating to the upper respiratory system. Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.

Ingestion

Causes burns. May cause burns in mucous membranes, throat, oesophagus and stomach.

Skin contact

Causes burns.

Eye contact

Causes burns. Risk of corneal damage. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product.

12.1. Toxicity

Acute Fish Toxicity

Information for Sodium Dichloroisocyanurate Acid

LC 50, 96 Hrs, Fish mg/l 0.13 - 0.36

12.2. Persistence and degradability

Degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 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.

12.3. Bioaccumulative potential

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Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Dispose of via an authorised and appropriately licensed waste contractor. Packaging is recyclable.

Waste Class

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SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 3253

UN No. (IMDG) 3253

UN No. (ICAO) 3253

14.2. UN proper shipping name

Proper Shipping Name DISODIUM TRIOXOSILICATE, MIXTURE

14.3. Transport hazard class(es)

ADR/RID/ADN Class 8

ADR/RID/ADN Class Class 8: Corrosive substances.

ADR Label No. 8

IMDG Class 8

ICAO Class/Division 8

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

EMS F-A, S-B

Emergency Action Code 2X

Hazard No. (ADR) 80

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Environmental Listing

Environmental Protection Act 1990. The Hazardous Waste Regulations 2005.

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 Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108). Technical Guidance WM2: Hazardous Waste.

15.2. Chemical Safety Assessment

Currently we do not have information from our suppliers about this.

SECTION 16: OTHER INFORMATION

Revision Date	21/03/2012
Revision	1
Risk Phrases In Full	
R34	Causes burns.
R31	Contact with acids liberates toxic gas.
R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R36/37	Irritating to eyes and respiratory system.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R2	Risk of explosion by shock, friction, fire or other sources of ignition.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.
Hazard Statements In Full	
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
EUH031	Contact with acids liberates toxic gas.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H272	May intensify fire; oxidiser.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.