

SAFETY DATA SHEET

Revision date: 12/01/2016

Version no 2

Print date: 23/02/2017

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

1.1 Product identifiers

Trade Name	Description	Unit	Code
Teepol	Heavy Duty Powder	10 kg Pail	0401

1.2 Relevant identified uses of the substance/mixture and uses advised against

For use on all types of hard surfaces.

1.3 Details of the supplier of the safety data sheet

Company	Teepol Products,		
Address	Harvey Waddington,	Telephone	01689 877020
	Murray Road,	Fax	01689 877027
	Orpington,	E-Mail	sales@teepol.co.uk
	Kent BR5 3QY		

1.4 Emergency telephone number +44 (0)1689 877020 (09:00 - 16:00 Monday to Friday)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
 Skin. Corr. 1A B C, H314

STOT SE 3, H335

2.2 Label elements

Signal Word: *Hazard Pictograms:*

DANGER

Hazard Statements:



H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary Statements:

Disposal

P501 Dispose of contents/container to licensed waste disposal site.

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

2.3 Other hazards

EUH none None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium Carbonate	01-2119485498-19-XXXX	497-19-18	207-838-8	>30
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Serious eye damage/irritation	Eye. Irrit. 2	H319 Serious eye damage/irritation		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium Metasilicate	01-2119449811-37-XXXX	6834-92-0	229-912-9	5-15
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Specific target organ toxicity - single exposure	STOT SE 3	H335 Specific target organ toxicity - single exposure		
Skin corrosion/irritation	Skin. Corr. 1A B C	H314 Skin corrosion/irritation		
Serious eye damage/irritation	Eye. Dam. 1	H318 Serious eye damage/irritation		
Corrosive to metals	Met. Corr. 1	H290 Corrosive to metals		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium Silicate	01-2119448725-31-XXXX	1344-09-8	215-687-4	5-15
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Specific target organ toxicity - single exposure	STOT SE 3	H335 Specific target organ toxicity - single exposure		
Skin corrosion/irritation	Skin. Irrit. 2	H315 Skin corrosion/irritation		
Serious eye damage/irritation	Eye. Irrit. 2	H319 Serious eye damage/irritation		

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Sodium Dodecylbenzene Sulphonate	01-2119565112-48-XXXX	25155-30-0	246-680-4	5-15
<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Hazard Statements</u>		
Skin corrosion/irritation	Skin. Irrit. 2	H315 Skin corrosion/irritation		
Serious eye damage/irritation	Eye. Dam. 1	H318 Serious eye damage/irritation		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing and wash off skin/eyes immediately.

After inhalation

Ensure supply of fresh air and seek medical attention.

After contact with skin

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

After contact with eyes

Irrigate with water for 10 to 15 minutes until irritation subsides and seek medical attention.

After ingestion:

If conscious, give plenty of water to drink, do not induce vomiting, obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation may cause pain in respiratory system, sneezing. Soreness and reddening of skin. Painful irritation, reddening and watering of eyes. Ingestion may cause pain in digestive tract.

4.3 Indication of any immediate medical attention and special treatment needed

Use water to neutralize product in the case of skin, eye contact or ingestion.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

5.1 Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

May produce oxides of carbon, nitrogen, sodium and sulphur.

5.3 Advice to Fire Fighters

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

SECTION 6: ACCIDENTAL RELEASE MEAS

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.

6.2 Environmental precaution

Do not allow to enter surface water drains, soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

6.4 Reference to Other Sections: See Section 8 and 13 for more information on exposure and disposal.

SECTION 7: HANDLING and STORAGE

7.1 Precautions for safe handling

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original containers out of reach of children. Storage temperature should be between 5°C and 30°C.

7.3 Specific end use(s)

Use only as directed on the container or label.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with known occupational exposure limits.

8.2 Exposure Controls

Do not eat, drink or smoke whilst working and wash hands after use.

Exposure Controls - Eyes: Avoid contact with eyes.

Exposure Controls - Skin: Wear vinyl, latex or nitrile gloves.

Exposure Controls - Respiratory None required.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour White Powder (Method: QP22)

pH (10% soln.) 11.8 (Method: QP03)

Melting/freezing point: 0°C

Flammable / Flash point Not Flammable

Relative density 1 g/cm³ @ 20°C (Method: QP07)

Solubility: Soluble/dispersible in water

Viscosity: N/A @ 20°C (Method: QP04)

Oxidising properties: Not applicable.

Explosive properties: Not applicable.

9.2 Other Information No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not known to react with other chemicals.

10.2 Chemical Stability: No decomposition if stored and applied as directed.

10.3 Hazardous Reactions:	Hazardous reactions will not occur under normal transport or storage conditions.
10.6 Hazardous Decomposition Products	Oxides of carbon.
10.4 Conditions to Avoid:	No information available.
10.5 Incompatible Materials:	Strong acids. Strong oxidising agents. May react with acids and fluorine gas, may react with Aluminium, Zinc, Tin and their alloys liberating hazardous fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance	Toxicity
Sodium Carbonate	<p>11.1. Information on toxicological effects</p> <p>Inhalation May cause irritation to the respiratory system.</p> <p>Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.</p> <p>Skin contact Irritating to skin.</p> <p>Eye contact Risk of serious damage to eyes.</p> <p>Health Warnings This chemical may cause skin/eye irritation. EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN. Mild dermatitis, allergic skin rash.</p> <p>Toxicological information on ingredients. SODIUM CARBONATE (CAS: 497-19-8) Toxic Dose 1 - LD 50 4090 mg/kg (oral rat) DISODIUM METASILICATE (CAS: 6834-92-0) Toxic Dose 1 - LD 50 1153 mg/kg (oral rat) Sodium Dodecyl Benzene Sulphonate (CAS: 25155-30-0) Toxic Dose 1 - LD 50 2240 mg/kg (oral rat) Sodium Silicate (R0219) (CAS: 1344-09-8)</p>
Sodium Silicate	<p>11.1. Information on toxicological effects</p> <p>Inhalation May cause irritation to the respiratory system.</p> <p>Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.</p> <p>Skin contact Irritating to skin.</p> <p>Eye contact Risk of serious damage to eyes.</p> <p>Health Warnings This chemical may cause skin/eye irritation. EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN. Mild dermatitis, allergic skin rash.</p> <p>Toxicological information on ingredients. SODIUM CARBONATE (CAS: 497-19-8) Toxic Dose 1 - LD 50 4090 mg/kg (oral rat) DISODIUM METASILICATE (CAS: 6834-92-0) Toxic Dose 1 - LD 50 1153 mg/kg (oral rat) Sodium Dodecyl Benzene Sulphonate (CAS: 25155-30-0) Toxic Dose 1 - LD 50 2240 mg/kg (oral rat) Sodium Silicate (R0219) (CAS: 1344-09-8)</p>

Sodium Metasilicate

11.1. Information on toxicological effects

Inhalation
May cause irritation to the respiratory system.

Ingestion
Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact
Irritating to skin.

Eye contact
Risk of serious damage to eyes.

Health Warnings
This chemical may cause skin/eye irritation. EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN.
Mild dermatitis, allergic skin rash.

Toxicological information on ingredients.
SODIUM CARBONATE (CAS: 497-19-8)
Toxic Dose 1 - LD 50 4090 mg/kg (oral rat)
DISODIUM METASILICATE (CAS: 6834-92-0)
Toxic Dose 1 - LD 50 1153 mg/kg (oral rat)
Sodium Dodecyl Benzene Sulphonate (CAS: 25155-30-0)
Toxic Dose 1 - LD 50 2240 mg/kg (oral rat)
Sodium Silicate (R0219) (CAS: 1344-09-8)

Sodium Dodecylbenzene Sulphonate

11.1. Information on toxicological effects

Inhalation
May cause irritation to the respiratory system.

Ingestion
Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact
Irritating to skin.

Eye contact
Risk of serious damage to eyes.

Health Warnings
This chemical may cause skin/eye irritation. EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN.
Mild dermatitis, allergic skin rash.

Toxicological information on ingredients.
SODIUM CARBONATE (CAS: 497-19-8)
Toxic Dose 1 - LD 50 4090 mg/kg (oral rat)
DISODIUM METASILICATE (CAS: 6834-92-0)
Toxic Dose 1 - LD 50 1153 mg/kg (oral rat)
Sodium Dodecyl Benzene Sulphonate (CAS: 25155-30-0)
Toxic Dose 1 - LD 50 2240 mg/kg (oral rat)
Sodium Silicate (R0219) (CAS: 1344-09-8)

No information regarding interactions between the ingredients in this mixture is available, therefore, the information shown above is separately reported for each relevant ingredient used in the mixture even though it may be present below its concentration limit and represent no toxicity in the mixture as a whole.

SECTION 12: ECOLOGICAL INFORMATION

No specific information is available for this mixture, therefore, the following information regarding the relevant substances used in this mixture is provided, even though they may be present below the concentration limit and represent minimal or no toxicity to the environment.

Substance	ECO Toxicity
Sodium Carbonate	<p>Ecotoxicity Environmental information currently available for the ingredients of this preparation indicates that it does not contain any ingredients currently classified as Dangerous for the Environment.</p> <p>12.1. Toxicity Acute Fish Toxicity May be dangerous to fish at high concentrations due to this being an unnatural aquatic environment, but not classified as being Toxic or Very Toxic to aquatic organisms. Ecological information on ingredients.</p>

Sodium Carbonate SODIUM CARBONATE (CAS: 497-19-8)
LC 50, 96 Hrs, Fish mg/l 33-740
EC 50, 48 Hrs, Daphnia, mg/l 265
IC 50, 72 Hrs, Algae, mg/l >2420
DISODIUM METASILICATE (CAS: 6834-92-0)
LC 50, 96 Hrs, Fish mg/l 124 (24h - Brachydanio rerio)
EC 50, 48 Hrs, Daphnia, mg/l 300 (24h)
Sodium Dodecyl Benzene Sulphonate (CAS: 25155-30-0)
LC 50, 96 Hrs, Fish mg/l 1-10
EC 50, 48 Hrs, Daphnia, mg/l 1-10
IC 50, 72 Hrs, Algae, mg/l 10-100
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

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is non-volatile.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

Sodium Silicate

Ecotoxicity

Environmental information currently available for the ingredients of this preparation indicates that it does not contain any ingredients currently classified as Dangerous for the Environment.

12.1. Toxicity

Acute Fish Toxicity

May be dangerous to fish at high concentrations due to this being an unnatural aquatic environment, but not classified as being Toxic or Very Toxic to aquatic organisms.

Ecological information on ingredients.

SODIUM CARBONATE (CAS: 497-19-8)

LC 50, 96 Hrs, Fish mg/l 33-740

EC 50, 48 Hrs, Daphnia, mg/l 265

IC 50, 72 Hrs, Algae, mg/l >2420

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12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is non-volatile.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

Sodium
Metasilicate

Ecotoxicity

Environmental information currently available for the ingredients of this preparation indicates that it does not contain any ingredients currently classified as Dangerous for the Environment.

12.1. Toxicity

Acute Fish Toxicity

May be dangerous to fish at high concentrations due to this being an unnatural aquatic environment, but not classified as being Toxic or Very Toxic to aquatic organisms.

Ecological information on ingredients.

SODIUM CARBONATE (CAS: 497-19-8)

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EC 50, 48 Hrs, Daphnia, mg/l 1-10

IC 50, 72 Hrs, Algae, mg/l 10-100

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

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is non-volatile.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

Sodium Ecotoxicity
Dodecylbenzene Environmental information currently available for the ingredients of this preparation indicates that it does
Sulphonate not contain any ingredients currently classified as Dangerous for the Environment.

12.1. Toxicity
Acute Fish Toxicity
May be dangerous to fish at high concentrations due to this being an unnatural aquatic environment, but not classified as being Toxic or Very Toxic to aquatic organisms.
Ecological information on ingredients.
SODIUM CARBONATE (CAS: 497-19-8)
LC 50, 96 Hrs, Fish mg/l 33-740
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EC 50, 48 Hrs, Daphnia, mg/l 1-10
IC 50, 72 Hrs, Algae, mg/l 10-100

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
Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility:
The product is non-volatile.

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number: 3253
14.2 Shipping Name: Teepol Heavy Duty Powder
14.3 Transport hazard class CORROSIVE LIQUID, N.O.S
14.4 Packing group: II
14.5 Environmental Hazards: CORROSIVE LIQUID, N.O.S

14.6 Special precautions for user:

No information

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:

No information



SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environment regulation/legislation specific to the substance or mixture

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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.

Guidance

ECHA Guidance on the application of CLP criteria (Version 4: November 2013)

ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

15.2 Chemical safety assessment

No information

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H290 May be corrosive to metals.
- H335 May cause respiratory irritation.

Directions:

For Floors, Walls and Heavily Soiled/Greasy Surfaces: 60-120g per 5L of Hot Water. Remove gross soiling by scraping/brushing surface initially and then brush in the Teepol solution. Leave in contact for as long as possible before thoroughly rinsing off with clean water.

Paint Cleaning: For routine cleaning of painted surfaces use 7-15g per 5L of water. Rinse off with clean water. For preparation and stripping of surfaces prior to complete redecoration use 60-120g per 5L of water.

Steam Cleaning: 30-60g per 5L of water in the detergent solution tank.

Catering Cleaning: (Chip Fryers, Automatic Dishwashing Machines) Use 30-60g per 5L of hot water. Drain machine of oil, grease, etc. prior to cleaning and then fill with hot Teepol solution. If possible brush surfaces and leave product in contact for as long as possible. Drain and thoroughly rinse off with clean water.

Further Information: The latest version of this data sheet may be obtained from the Harvey Waddington Web Site at: www.teepol.co.uk

GLOSSARY: PPE Personal protective equipment. N/A Not applicable. N/K Not known OES Occupational exposure limit
TWA Time weighted average W/V Weight to volume

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

ANIMAL TESTING: Teepol Products (UK) do not test their finished products on animals.

The information contained in this document is based on information believed to be correct on the date of issue. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of this information. The user assumes all liability for any damage or injury resulting from abnormal use, from the failure to adhere to recommended practises, or from hazards inherent in the nature of the product. In accordance with our policy of incorporating technical improvements, we reserve the right to amend any specification without notice.