



SAFETY DATA SHEET

TERASSI- JA KALUSTEPESU

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

1.1 Product identifier

Product name : TERASSI- JA KALUSTEPESU
 Product code : 0061908
 Product description : Detergent.

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

Recommended use: Cleaning

1.3 Details of the supplier of the safety data sheet

Manufacturer or Distributor

Tikkurila Oyj
 P.O. Box 53
 FI-01301 VANTAA
 FINLAND
 Telephone +358 20 191 2000

e-mail address of person responsible for this SDS : Tikkurila Oyj,
 Product Safety,
 e-mail: productsafety@tikkurila.com

1.4 Emergency telephone number

Telephone number : 112
 (24h)

Supplier or Manufacturer

Telephone number : Tikkurila Oyj
 +358 20 191 2000 Mon-Fri 8-16

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Ox. Sol. 2, H272
 Acute Tox. 4, H302
 Eye Dam. 1, H318

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H272 - May intensify fire; oxidizer.
 H302 - Harmful if swallowed.
 H318 - Causes serious eye damage.

Precautionary statements

General	:	P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.
Prevention	:	P280 - Wear protective gloves/clothing and eye/face protection. P210 - Keep away from heat. - No smoking. P221 - Take any precaution to avoid mixing with combustibles and acids or bases.
Response	:	P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Hazardous ingredients	:	sodium carbonate peroxyhydrate
Supplemental label elements	:	Not applicable.
<u>EU Detergents Regulation</u>	:	30% and more: oxygen-based bleaching agents. less than 5%: anionic surfactants.

2.3 Other hazards

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture				
Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Notes
sodium carbonate peroxyhydrate	REACH #: 01-2119457268-30 EC: 239-707-6 CAS: 15630-89-4	≥75 - ≤90	Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Dam. 1, H318 See Section 16 for the full text of the H statements declared above.	-

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

Ingredient name	INCI Name	CAS #	Class of constituent	Concentration
disodium carbonate, compound with hydrogen peroxide (2:3) Reac. prod. of Benzenesulfonic acid, C10-13-alkyl der., Benz.sulf. acid 4-methyl- and sod. hydroxide	SODIUM CARBONATE PEROXIDE	15630-89-4	oxygen-based bleaching agents	30% and more
		-	anionic surfactants	less than 5%

SECTION 4: First aid measures

4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 20 minutes. Get medical attention immediately.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
- Skin contact** : Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Harmful if swallowed.
Causes serious eye damage.
See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO₂, powders or water spray/mist.
- Unsuitable extinguishing media** : Do not use a direct water jet that could spread the fire.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : This product is not classified as flammable. Oxidizing material. May intensify fire. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Hazardous combustion products** : None known.

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Use water spray to keep fire-exposed containers cool. Do not release runoff from fire to drains or watercourses.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** : Avoid direct skin contact with product. See Section 8 for information on appropriate personal protective equipment.

- 6.2 Environmental precautions** : Undiluted product is not allowed to enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up : Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling : Avoid contact with skin and eyes. Avoid inhalation of dust from sanding. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities : Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature is +5°C ...+25°C. Store in accordance with local regulations.

7.3 Specific end use(s) : None.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Provide a readily-accessible eyewash facility. Comply with the health and safety at work laws.

Individual protection measures

Eye/face protection : Safety eyewear should be used when there is a likelihood of exposure.
Recommended: Wear eye or face protection.

Hand protection : Wear protective gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended: 4 - 8 hours (breakthrough time): PVC, nitrile rubber or neoprene. Not recommended: leather or Cotton product.

Skin protection : Wear suitable protective clothing.

Respiratory protection : Recommended: If ventilation is inadequate, use appropriate respirators with dust filter P2 (EN149:2001). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Solid.
Color	: White.
Odor	: Mild.
Odor threshold	: Not relevant for the hazard assessment of the product.
pH	: Not relevant for the hazard assessment of the product.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Not applicable.
Evaporation rate	: Not available.
Flammability (solid, gas)	: No flammable ingredients present.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Density	: 1,1 g/cm ³
Solubility(ies)	: Soluble in water.140 g/l (20°C)
Partition coefficient: n-octanol/ water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not relevant for the hazard assessment of the product.
Viscosity	: Not relevant for the hazard assessment of the product.
Explosive properties	: No explosive ingredients present.
Oxidizing properties	: Oxidizing

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : See Section 10.5.
- 10.2 Chemical stability** : Stable under recommended storage and handling conditions (see Section 7).
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : Avoid extreme heat and freezing. Oxidizes on contact with air.
- 10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions:
oxidizing agents
strong acids
strong alkalis
- 10.6 Hazardous decomposition products** : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
sodium carbonate peroxyhydrate	LD50 Oral	Rat	1034 mg/kg	-

Harmful if swallowed.

Irritation/Corrosion

Causes serious eye damage.

Sensitization

Not classified.

Mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

Teratogenicity

Not classified.

Specific target organ toxicity (single exposure)

Not classified.

Specific target organ toxicity (repeated exposure)

Not classified.

Aspiration hazard

Not classified.

SECTION 12: Ecological information

Ecological testing has not been conducted on this product.

Do not allow to enter drains, water courses or soil.

The product is not classified as environmentally hazardous according to Regulation (EC) 1272/2008.

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Reac. prod. of Benzenesulfonic acid, C10-13-alkyl der., Benz.sulf. acid 4-methyl- and sod. hydroxide	EC50 >10 mg/l	Algae	72 hours
	EC50 >1 mg/l	Daphnia	48 hours
	NOEC >0,1 mg/l	Daphnia	21 days

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Reac. prod. of Benzenesulfonic acid, C10-13-alkyl der., Benz.sulf. acid 4-methyl- and sod. hydroxide	OECD 301A	>70 % - Readily - 28 days	-	-
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
Reac. prod. of Benzenesulfonic acid, C10-13-alkyl der., Benz.sulf. acid 4-methyl- and sod. hydroxide	-	-	Readily	

Biodegradability report : Not available.

12.3 Bioaccumulative potential : No specific data.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : Remove as much product as possible from the tools before cleaning. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

European waste catalogue (EWC)

Waste code	Waste designation
20 01 29*	detergents containing hazardous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

Methods of disposal : Empty packaging should be recycled or disposed of in accordance with national regulations.

Special precautions : None.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	UN3378	UN3378	UN3378
14.2 UN proper shipping name	SODIUM CARBONATE PEROXYHYDRATE	SODIUM CARBONATE PEROXYHYDRATE	Sodium carbonate peroxyhydrate
14.3 Transport hazard class(es)	5.1	5.1	5.1
14.4 Packing group	III	III	III
14.5 Environmental hazards	No.	No.	No.
Additional information	<u>Hazard identification number</u> 50 <u>Limited quantity</u> 5 kg <u>Tunnel code</u> (E)	<u>Emergency schedules (EmS)</u> F-A, S-Q	<u>Passenger and Cargo Aircraft</u> Quantity limitation: 25 kg Packaging instructions: 559 <u>Cargo Aircraft Only</u> Quantity limitation: 100 kg Packaging instructions: 563 <u>Limited Quantities - Passenger Aircraft</u> Quantity limitation: 10 kg Packaging instructions: Y546 <u>Special provisions</u> A803

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

SECTION 15: Regulatory information

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

Detergent Regulation (Regulation (EC) No. 648/2004)

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

Europe inventory : Not determined.

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

	Classification	Justification
Ox. Sol. 2, H272		Expert judgment
Acute Tox. 4, H302		Expert judgment
Eye Dam. 1, H318		Expert judgment
Full text of abbreviated H statements	: H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H318 Causes serious eye damage.	
Full text of classifications [CLP/GHS]	: Acute Tox. 4, H302 Eye Dam. 1, H318 Ox. Sol. 2, H272	ACUTE TOXICITY (oral) - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 OXIDIZING SOLIDS - Category 2
Date of issue/ Date of revision	: 14-11-2016	
Date of previous issue	: No previous validation	
Version	: 1	

Notice to reader

This Safety Data Sheet is prepared in accordance with Annex II to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.