

## SAFETY DATA SHEET

HD DETERGENT

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Compilation date: 24/08/2015

Revision No: 1

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

#### 1.1. Product identifier

**Product name:** HD DETERGENT

**Product code:** 11

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

**Use of substance / mixture:** PC35: Washing and cleaning products (including solvent based products).

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Tensid UK Ltd  
Unit 1 Craven Court  
Canada Road  
Byfleet  
Surrey  
KT14 7JI  
United Kingdom

**Tel:** +44 (0)1932 564 133

**Fax:** +44 (0)1932 562 046

**Email:** [info@tensid.com](mailto:info@tensid.com)

#### 1.4. Emergency telephone number

**Emergency tel:** +44 (0)1932 564 133

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Irrit. 2: H319

**Most important adverse effects:** Causes serious eye irritation.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H319: Causes serious eye irritation.

**Signal words:** Warning

**Hazard pictograms:** GHS07: Exclamation mark



**Precautionary statements:** P264: Wash hands thoroughly after handling.

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

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove

[cont...]

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contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical attention.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

TETRAPOTASSIUM PYROPHOSPHATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
230-785-7	7320-34-5	-	Eye Irrit. 2: H319	10-30%

2,2',2"-NITRILOTRIETHANOL

203-049-8	102-71-6	-	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT RE 2: H373	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and pain.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

[cont...]

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## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Not applicable.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** Not applicable.

### 7.3. Specific end use(s)

**Specific end use(s):** PC35: Washing and cleaning products (including solvent based products).

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

2,2',2''-NITRILOTRIETHANOL

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	13 mg/m <sup>3</sup> (Sk)	-	-	-

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

[cont...]

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## 8.2. Exposure controls

- Engineering measures:** Not applicable.
- Respiratory protection:** Respiratory protection not required.
- Hand protection:** Protective gloves.
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.
- Environmental:** No special requirement.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- State:** Liquid
- Colour:** Straw
- Odour:** Characteristic odour
- Evaporation rate:** Moderate
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in water:** Soluble
- Viscosity:** No data available.
- Boiling point/range°C:** No data available.
- Melting point/range°C:** No data available.
- Flammability limits %: lower:** No data available.
- upper:** No data available.
- Flash point°C:** No data available.
- Part.coeff. n-octanol/water:** No data available.
- Autoflammability°C:** No data available.
- Vapour pressure:** No data available.
- Relative density:** 1.2
- pH:** 10 - 11.5
- VOC g/l:** No data available.

### 9.2. Other information

- Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

- Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

- Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

- Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

- Conditions to avoid:** Direct sunlight.

### 10.5. Incompatible materials

- Materials to avoid:** Strong oxidising agents. Strong bases.

[cont...]

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## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### TETRAPOTASSIUM PYROPHOSPHATE

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	2001	mg/kg

#### 2,2',2''-NITRILOTRIETHANOL

DERMAL	RBT	LD50	> 2000	mg/kg
ORAL	RAT	LD50	> 4000	mg/kg

**Relevant hazards for substance:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and pain.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### TETRAPOTASSIUM PYROPHOSPHATE

Daphnia magna	48H EC50	100	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	>100	mg/l

#### 2,2',2''-NITRILOTRIETHANOL

ALGAE	72H ErC50	> 100	mg/l
BLUEGILL ( <i>Lepomis macrochirus</i> )	96H LC50	> 100	mg/l

[cont...]

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Daphnia magna	48H EC50	> 100	mg/l
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## 12.2. Persistence and degradability

**Persistence and degradability:** Greater than 60% biodegradable according to method OECD 301.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Soluble in water.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Clean with water. Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

[cont...]

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H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

**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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.