

# HARTNOLL Ltd

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## HEALTH AND SAFETY DATA SHEET

### UNOX COMBI DESCALER

#### IDENTIFICATION OF THE SUBSTANCE

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

**EMERGENCY TELEPHONE NUMBER:** NHS Direct 08454647

#### HAZARDS IDENTIFICATION

**Classification under CLP:** Skin Corr. 1A: H314

**Most important adverse effects:** Causes severe skin burns and eye damage.

**Hazard statements:** H314: Causes severe skin burns and eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



#### Precautionary statements:

P102: Keep out of reach of children.

P282: Wear eye protection.

P280: Wear protective gloves.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTRE/doctor.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P332+313: If skin irritation occurs: Get medical attention.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P362: Take off contaminated clothing.

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

#### COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** ORTHOPHOSPHORIC ACID Percent 10-30%

EINECS: 231-633-2 CAS: 7664-38-2 CLP Classification: Skin Corr.

1B: H314

#### FIRST AID MEASURES

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

**Immediate/special treatment:** Eye bathing equipment should be available on the premises.

#### FIRE-FIGHTING MEASURES

**Extinguishing media:** Water.

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

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Notify the police and fire brigade immediately. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - please refer to the Exposure Controls / Personal Protection section in this safety data sheet for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

#### HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact with the substance.

Avoid the formation or spread of mists in the air.

**Storage conditions:** Keep container tightly closed.

**Suitable packaging:** Polyethylene.

#### EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:** ORTHOPHOSPHORIC ACID...100%

WEL (8 hr TWA): 1 mg/m<sup>3</sup> (15 min STEL): 2 mg/m<sup>3</sup>

**DNEL/PNEC:** No data available

**Hand protection:** Gloves (acid resistant)..

**Eye protection:** Tight fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Acid-resistant protective clothing.

#### PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid.

**Colour:** Colourless.

**Odour:** Barely perceptible odour.

**Evaporation rate:** Slow.

**Oxidising:** Non-oxidising (by EC criteria).

**Solubility in water:** Soluble.

**Boiling point:** 102°C

**Melting point/range °C:** -1

**Viscosity:** Non-viscous.

**Relative density:** 1.15 - 1.25

**pH:** 1.2 **VOC g/l:** 0

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## STABILITY AND REACTIVITY

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

**Chemical Stability:** Stable under normal conditions.

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

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

**Hazardous decomposition products:** In combustion emits toxic fumes.

## TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** ORTHOPHOSPHORIC ACID...100%

ORL RAT LD50 1530 mg/kg

**Relevant hazards for substance:** Hazard: Skin corrosion/irritation,  
Route: DRM, Basis: Hazardous: calculated, Hazard: Serious eye  
damage/irritation, Route: OPT, Basis: Hazardous: calculated

**Routes of exposure:**

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Immediate effects:** Immediate effect can be expected after short-term exposure.

## ECOLOGICAL INFORMATION

**Ecotoxicity values:** No data available.

**Mobility:** Soluble in water.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

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

## DISPOSAL CONSIDERATIONS

**Disposal of packaging:** Dispose of as normal industrial waste.

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

## TRANSPORT INFORMATION

**UN number:** 3264

**Shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC,  
N.O.S. (ORTHOPHOSPHORIC ACID..28%)

**Transport Class:** 8

**Packing group:** III.

**Environmentally hazardous:** No

**Marine pollutant:** No

**Tunnel code:** E

**Transport category:** 3

## REGULATORY INFORMATION

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

## OTHER INFORMATION

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

**Phrases used in Composition/Information on Ingredients:**

**H314:** Causes severe skin burns and eye damage.

**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.

Date: 25<sup>th</sup> March 2015 Revision No: 6

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