



# SAFETY DATA SHEET

## MACHINE DISHWASHER SANITIZER

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING:

**1.1 PRODUCT IDENTIFIER:** MACHINE DISHWASHER SANITIZER

**1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST**

**RELEVANT IDENTIFIED USES:** Sanitizer and de-tanning agent for dishwashers

**USES ADVISED AGAINST:** No additional information available.

**1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

**SUPPLIER:** Wickham Industries Limited  
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Lancaster Close, Sherburn in Elmet  
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**1.4 EMERGENCY TELEPHONE NUMBER**

**EMERGENCY TELEPHONE:** +44(0)1977 682266

### 2. HAZARDS IDENTIFICATION:

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

**CLASSIFICATION (1999/45 (CHIP)):** Not classified

**CLASSIFICATION (EC 1272/2008 (CLP)):**

**Physical :** Not classified  
**Health:** Not classified  
**Environmental:** Not classified

**2.2 LABEL ELEMENTS**

**LABEL IN ACCORDANCE WITH (EC 1272/2008 (CLP)):**

Not classified

**SIGNAL WORD:** Not classified

**HAZARD STATEMENTS:** Not classified

**PRECAUTIONARY STATEMENTS:** Not classified

**SUPPLEMENTARY PRECAUTIONARY STATEMENTS:**

Not classified

**2.3 OTHER HAZARDS**

EUH031 Contact with acids liberates toxic gas (Chlorine).

**3. COMPOSITION/INFORMATION ON INGREDIENTS:**

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**3.1 SUBSTANCES**

Not applicable.

**3.2 MIXTURES**

INGREDIENT NAME:	EINECS	CAS No.	CONTENT
SODIUM HYPOCHLORITE	231-668-3	7681-52-9	< 5 %
<b>Classification (EC 1272/2008 (CLP))</b>	<b>Classification (67/548 (CHIP))</b>		
Skin Corr. 1B – H314, EUH031, Aquatic Acute 1 – H400	C: R34, R31, N: R50		

The full text for all R-phrases and H-statements are shown in section 16

**COMPOSITION COMMENTS:**Industrial bleach solution

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**4. FIRST AID MEASURES:**

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**4.1 DESCRIPTION OF FIRST AID MEASURES**

**INHALATION:** Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION:** DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

**SKIN:** Remove contaminated clothing. Rinse with water. Get medical attention if any discomfort continues.

**EYES:** Immediately rinse with water. Continue to rinse for at least 15 minutes. Obtain medical attention.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**INHALATION:** May cause irritation to the respiratory system.

**INGESTION:** May lead to the formation of Chlorine gas due to reaction with stomach acid. Causes burns.

**SKIN:** Prolonged or repeated exposure may cause severe irritation. Causes burns.

**EYES:** Irritating to eyes. Causes burns. May cause permanent eye damage.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Refer to section 4.1

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**5. FIREFIGHTING MEASURES:**

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**5.1 EXTINGUISHING MEDIA**

Carbon dioxide (CO<sub>2</sub>), foam, Dry chemicals, sand, dolomite etc. Water spray.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

May emit toxic fumes if burnt.

**5.3 ADVICE FOR FIREFIGHTERS**

Wear self-contained breathing apparatus. Keep run-off water out of sewers and water sources.

**6. ACCIDENTAL RELEASE MEASURES:**

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**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES****6.1.1 FOR NON-EMERGENCY PERSONNEL**

Wear suitable gloves and eye/face protection.

**6.1.2 FOR EMERGENCY RESPONDERS**

Wear suitable gloves and eye/face protection.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter the surface water drain, sewers, or ground

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth. Place into containers. Containers with collected spillage must be properly labelled with correct contents.

**6.4 REFERENCE TO OTHER SECTIONS**

See section 8 for further information on personal protective equipment. See section 13 for disposal.

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**7. HANDLING AND STORAGE:**

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**7.1 PRECAUTIONS FOR SAFE HANDLING**

Avoid spilling, skin and eye contact.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep in cool, dry, ventilated storage and closed containers. General chemical storage.

**7.3 SPECIFIC END USE(S)**

Sanitizer and de-tanning agent for dishwashers.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

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**8.1 CONTROL PARAMETERS**

<b>INGREDIENT NAME:</b>	<b>CAS No.:</b>	<b>STD:</b>	<b>LT EXP. 8 HRS:</b>	<b>ST EXP. 15 MIN:</b>
CHLORINE (from acidic decomposition only)	7782-50-5	WEL	-	0.5 ppm (1.5 mg/m <sup>3</sup> )

**INGREDIENT COMMENTS:**

WEL = Workplace Exposure Limit.

**8.2 EXPOSURE CONTROLS****8.2.1 Appropriate engineering controls**

**VENTILATION:** Provide sufficient ventilation during operations which cause vapour formation.

**8.2.2 Individual protection measures, such as personal protective equipment**

**PROCESS CONDITIONS:** Provide eyewash station.

**RESPIRATORS:** : No specific recommendation made, but respiratory protection must be used if the general level exceeds the Workplace Exposure Limit (WEL).

**PROTECTIVE GLOVES:** Chemical resistant gloves required for prolonged or repeated contact.

**EYE PROTECTION:** Wear approved chemical safety goggles where eye exposure is reasonably probable.

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

**8.2.3 Environmental exposure controls**

No additional information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

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**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Clear liquid.
<b>COLOUR:</b>	Yellow
<b>ODOUR/TASTE:</b>	Mild / Bleach
<b>SOLUBILITY DESCRIPTION:</b>	Miscible with water.
<b>BOILING POINT (°C, interval):</b>	110 <b>PRESSURE:</b>
<b>MELT./FREEZ. POINT (°C, interval):</b>	<0
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	1.20 <b>TEMPERATURE (°C):</b> 20
<b>VAPOUR PRESSURE:</b>	2.3 kPa <b>TEMPERATURE (°C):</b> 20
<b>pH-VALUE, CONC. SOLUTION:</b>	> 13
<b>FLASH POINT (°C):</b>	N/A <b>METHOD:</b>
<b>AUTO IGNITION TEMP. (°C):</b>	N/A
<b>FLAMMABILITY LIMIT - LOWER(%):</b>	N/A
<b>FLAMMABILITY LIMIT - UPPER(%):</b>	N/A

**9.2 OTHER INFORMATION**

No additional information available.

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**10. STABILITY AND REACTIVITY:**

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**10.1 REACTIVITY**

Contact with acids liberates toxic gas. (Chlorine)

**10.2 CHEMICAL STABILITY**

Decomposes to form Sodium Chloride and Sodium Chlorate liberating oxygen.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

Refer to section 10.1 on reactivity.

**10.4 CONDITIONS TO AVOID**

Heat, strong sunlight.

**10.5 INCOMPATIBLE MATERIALS**

Acids, other toilet cleaners, bleaches.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Chlorine gas.

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**11. TOXICOLOGICAL INFORMATION:**

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**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**HEALTH HAZARDS, GENERAL:** TOXIC DOSE - LD 50 8910 mg/kg (oral rat) (information on undiluted ingredient)

**INHALATION:** May cause irritation to the respiratory system.

**INGESTION:** May lead to the formation of Chlorine gas due to reaction with stomach acid. Causes burns.

**SKIN:** Prolonged or repeated exposure may cause severe irritation. Causes burns.

**EYES:** Irritating to eyes. Causes burns. May cause permanent eye damage.

**12. ECOLOGICAL INFORMATION:**

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**12.1 TOXICITY**

Do not allow to enter soil, waterways or sewer. This product contains materials that are classified as dangerous for the environment.

**12.2 PERSISTENCE AND DEGRADABILITY**

The product is expected to be readily biodegradable.

**12.3 BIOACCUMULATIVE POTENTIAL**

The product is not expected to bioaccumulate

**12.4 MOBILITY IN SOIL**

Soluble in water.

**12.5 RESULTS OF PBT AND vPvB ASSESSMENT**

No additional information available.

**12.6 OTHER ADVERSE EFFECTS**

No other effects known

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**13. DISPOSAL CONSIDERATIONS:**

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**13.1 WASTE TREATMENT METHODS**

Dispose of in accordance with Local Authority requirements. Use a licensed Waste contractor.

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**14. TRANSPORT INFORMATION:**

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**14.1 – 14.7**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

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**15. REGULATORY INFORMATION:**

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**15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations. Chemicals (Hazard Information & Packaging) Regulations (CHIP). European Regulation (EC) No 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). European Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (CLP), adopting in the EU the Globally Harmonised System (GHS).

**GUIDANCE NOTES:** Occupational Exposure Limits EH40.

**15.2 CHEMICAL SAFETY ASSESSMENT**

Not required.

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**16. OTHER INFORMATION:**

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**REVISION DATE:** 09/08/14  
**REV. No./REPL. SDS GENERATED:** 4  
**SDS No.:** 003

**R-PHRASES (Full Text)**  
R-31 Contact with acids liberates toxic gas.  
R-34 Causes burns.  
R-50 Very toxic to aquatic organisms.

**H-STATEMENTS (Full Text)**  
H-314 Causes severe skin burns and eye damage.  
H-400 Very toxic to aquatic life.  
EUH-031 Contact with acids liberates toxic gas.

**DISCLAIMER:**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief accurate and reliable as of the date indicated. However no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.