

Section: 1. PRODUCT AND		
Product name	: SUPER TRUMP]
	: Not applicable.	
Recommended use	: Machine Warewashing Detergent	
Restrictions on use	: Reserved for industrial and professional use.	
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Product dilution information	: 0.0 % - 0.16 %	
Company	 Ecolab Co. 5105 Tomken Road Mississauga, Ontario Canada L4W 2X5 1-800-352-5326 	
Emergency health information	: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)	
Issuing date	: 03/03/2016	
Section: 2. HAZARDS IDENT	FICATION	
GHS Classification		
Product AS SOLD Skin corrosion Serious eye damage	: Category 1A : Category 1	
Product AT USE DILUTION Skin corrosion Serious eye damage	: Category 1A : Category 1	
GHS Label element		
Product AS SOLD Hazard pictograms		
Signal Word	: Danger	
Hazard Statements	: Causes severe skin burns and eye damage.	
Precautionary Statements	 Prevention: Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.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 doctor/ physician. Wash contaminated clothing before reuse. 	

	Storage: Store locked up. Disposal: Dispose of conte	ents/ container to an appro	oved waste disposal plant.
Product AT USE DILUTION Hazard pictograms			
Signal Word	: Danger		
Hazard Statements	: Causes severe s	kin burns and eye damag	е.
Precautionary Statements	protective clothin Response: IF SWALLOWED (or hair): Take of with water.IF INH comfortable for b CENTER/doctor. minutes. Remove rinsing. Immedia Wash contamina Storage: Store locked up. Disposal:	f immediately all contamir IALED: Remove person to preathing. Immediately cal IF IN EYES: Rinse cautio	duce vomiting.IF ON SKIN hated clothing. Rinse skin o fresh air and keep I a POISON usly with water for several at and easy to do. Continue ER or doctor/ physician.
Product AS SOLD Other hazards	: None known.		
Section: 3. COMPOSITION/IN	FORMATION ON IN	IGREDIENTS	
Product AS SOLD Pure substance/mixture	: Mixture		
Chemical Name sodium hydroxide		CAS-No. 1310-73-2	Concentration: (%) 10 - 30

Product AT USE DILUTION

No hazardous ingredients

Section: 4.	FIRST AID	MEASURES
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Product AS SOLD

In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, fo least 15 minutes. Remove contact lenses, if present and easy to Continue rinsing. Get medical attention immediately.	
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. a mild soap if available. Wash clothing before reuse. Thoroughly shoes before reuse. Get medical attention immediately.	

If swallowed	:	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	:	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	:	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	:	Treat symptomatically.
Most important symptoms and effects, both acute and delayed	:	See Section 11 for more detailed information on health effects and symptoms.
Product AT USE DILUTION In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
In case of skin contact	:	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
If swallowed	:	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	:	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Section	5	FIREFIGHTING MEASURES
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Product AS SOLD Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	None known.
Specific hazards during firefighting	:	Not flammable or combustible.
Hazardous combustion products	:	Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus
Special protective equipment for firefighters	:	Use personal protective equipment.
Specific extinguishing methods	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.
Risk of explosion.	:	Not available.

Section: 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	:	Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	:	Stop leak if safe to do so. Contain spillage, and then collect with non- combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.
Product AT USE DILUTION Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
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Section: 7. HANDLING AND STORAGE

Product AS SOLD Advice on safe handling	:	Do not ingest.Do not get in eyes, on skin, or on clothing.Do not breathe dust/fume/gas/mist/vapours/spray.Use only with adequate ventilation.Wash hands thoroughly after handling.SAFETY REMINDER: *Never pour product into unlabeled containers *Use only for recommended uses. Read label. *Never take product home. Use only in workplace.
Conditions for safe storage	:	Do not store near acids. Keep out of reach of children. Store in suitable labeled containers.
Storage temperature	:	5 °C to 50 °C
Product AT USE DILUTION		
Advice on safe handling	:	Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

SAFETY DATA SHEET

SUPER TRUMP

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Components with workplace control parameters

CAS-No.	Form of exposure	Permissible concentration	Basis
1310-73-2	(C)	2 mg/m3	CAD AB OEL
	С	2 mg/m3	CAD BC OEL
	С	2 mg/m3	OEL (QUE)
1310-73-2	Ceiling	2 mg/m3	ACGIH
	Ceiling	2 mg/m3	NIOSH REL
	TWA	2 mg/m3	OSHA Z1
	1310-73-2	exposure 1310-73-2 (c) C C 1310-73-2 Ceiling Ceiling	exposureconcentration1310-73-2(c)2 mg/m3C2 mg/m3C2 mg/m31310-73-2Ceiling2 mg/m3Ceiling2 mg/m3

Engineering measures :	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
Personal protective equipment	t
Eye protection :	Wear eye protection/face protection.
Hand protection :	Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection :	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Respiratory protection :	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hygiene measures :	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
Product AT USE DILUTION Engineering measures :	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
Personal protective equipment	t i i i i i i i i i i i i i i i i i i i
Eye protection :	Wear eye protection/face protection.
Hand protection :	Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection :	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Respiratory protection :	When workers are facing concentrations above the exposure limit they

must use appropriate certified respirators.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

		Product AS SOLD	
Appearance	:	liquid	
Colour	:	clear, tan	
Odour	:	odourless	
рН	:	13.0 - 14.0, 100 %	
Flash point	:	Not applicable.	
Odour Threshold	:	no data available	
Melting point/freezing point	:	no data available	
Initial boiling point and boiling range	:	no data available	
Evaporation rate	:	no data available	
Flammability (solid, gas)	:	no data available	
Upper explosion limit	:	no data available	
Lower explosion limit	:	no data available	
Vapour pressure	:	no data available	
Relative vapour density	nsity : no data available		
Relative density	nsity : 1.27 - 1.31		
Water solubility	:	soluble	
Solubility in other solvents	:	no data available	
Partition coefficient: n- octanol/water	:	no data available	
Auto-ignition temperature	:	no data available	
Thermal decomposition	:	no data available	
Viscosity, kinematic	:	no data available	
Explosive properties	:	no data available	
Oxidizing properties	:	no data available	
Molecular weight	:	no data available	
VOC	:	no data available	

Product AT USE DILUTION

liquid colourless odourless

11.9

Section: 10. STABILITY AND REACTIVITY

Product AS SOLD Chemical stability	Stable under normal conditions.	
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.	
Conditions to avoid	None known.	
Incompatible materials	Bases Metals Organic materials Acids	

Hazardous decomposition products	:	Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus
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Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Inhalation, Eye contact, Skin contact exposure

Potential Health Effects

Product AS SOLD Eyes	: Causes serious eye damage.	
Skin	: Causes severe skin burns.	
Ingestion	: Causes digestive tract burns.	
Inhalation	: May cause nose, throat, and lung irritation.	
Chronic Exposure	: Health injuries are not known or expected under normal use.	
Product AT USE DILUTION Eyes	: Causes serious eye damage.	
Skin	: Causes severe skin burns.	
Ingestion	: Causes digestive tract burns.	
Inhalation	: May cause nose, throat, and lung irritation.	
Chronic Exposure	: Health injuries are not known or expected under normal use.	
Experience with human exposure		
Product AS SOLD Eye contact	: Redness, Pain, Corrosion	
Skin contact	: Redness, Pain, Corrosion	
Ingestion	: Corrosion, Abdominal pain	
Inhalation	: Respiratory irritation, Cough	
Product AT USE DILUTION		
Eye contact	: Redness, Pain, Corrosion	
Eye contact Skin contact	Redness, Pain, CorrosionRedness, Pain, Corrosion	

Toxicity

Product AS SOLD

Product

Acute oral toxicity		no data available
Acute inhalation toxicity	:	no data available
Acute dermal toxicity	:	no data available
Skin corrosion/irritation	:	no data available
Serious eye damage/eye irritation	:	no data available
Respiratory or skin sensitization	:	no data available
Carcinogenicity	:	no data available
Reproductive effects	:	no data available
Germ cell mutagenicity	:	no data available
Teratogenicity	:	no data available
STOT - single exposure	:	no data available
STOT - repeated exposure	:	no data available
Aspiration toxicity	:	no data available

Section: 12. ECOLOGICAL INFORMATION

Product AS SOLD Ecotoxicity

Lootoxiony	
Environmental Effects	: This product has no known ecotoxicological effects.
Product	
Toxicity to fish	: no data available
Toxicity to daphnia and other aquatic invertebrates	: no data available
Toxicity to algae	: no data available
Components	
Toxicity to daphnia and other aquatic invertebrates	: sodium hydroxide 48 h EC50: 40 mg/l

Persistence and degradability

Taking into consideration the properties of several components, the product is estimated to be biodegradable according to OECD classification.

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

no data available

Section: 13. DISPOSAL CONSIDERATIONS

SUPER TRUMP **Product AS SOLD** Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. : Dispose of as unused product. Empty containers should be taken to **Disposal considerations** an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations. Product AT USE DILUTION **Disposal methods** : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. **Disposal considerations** : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

Section: 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (TDG)

UN number Description of the goods Class Packing group Environmentally hazardous	: 1824 : SODIU : 8 : II : No	JM HYDROXIDE SOLUTION
Sea transport (IMDG/IMO) UN number Description of the goods Class Packing group Marine pollutant	: 1824 : SODIU : 8 : II : No	JM HYDROXIDE SOLUTION

Section: 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

The components of this product are reported in the following inventories:

United States TSCA Inventory :

On TSCA Inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL.

Australia. Industrial Chemical (Notification and Assessment) Act :

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory : On the inventory, or in compliance with the inventory

Japan. ISHL - Inventory of Chemical Substances (METI) :

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

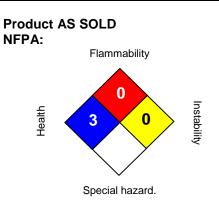
Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

On the inventory, or in compliance with the inventory

China Inventory of Existing Chemical Substances :

On the inventory, or in compliance with the inventory

Section: 16. OTHER INFORMATION

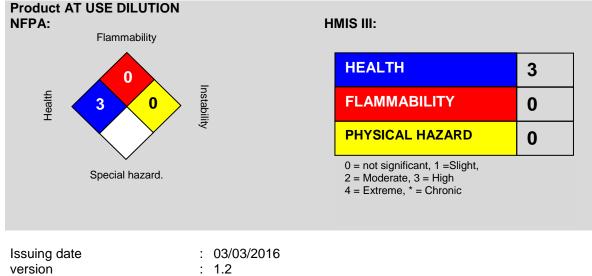


HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
0 not cignificant 1 Clight	

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High 4 = Extreme, * = Chronic



REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.