

Safety Data Sheet



Section 1: Company and Product Identification

Chemical Nature: Water solution of potassium hydroxide and other ingredients.

Product Name: **Auto Dishwashing Liquid**

Product Use: Machine dish washing liquid.

Company: J.T.Dixon Pty. Ltd.

19-21 Homes Street, North Geelong, VIC 3215

Telephone: 03 52786644 Facsimile: 03 52770526

Web: www.jtdixon.com.au

Email: info@jtdixon.com.au

Emergency Response: Poisons Information Centre: Phone 131126 (Australia)

Section 2: Hazards Identification GHS05 GHS07 BLANK BLANK

Hazard Pictograms:



Statement of Hazardous Nature

This product is classified as: Xn, Harmful. N, Dangerous to the environment. C< Corrosive. Hazardous according to the criteria of SWA.

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

SUSMP Classification: S6

ADG Classification: Class 8: Corrosive Substances.

UN Number: 1719, CAUSTIC ALKALI LIQUID, N.O.S.(Potassium Hydroxide, Sodium Hydroxide, Sodium Hypochlorite).

Signal Word: DANGER

Hazard Category: Acute tox, oral Cat 4
Skin corrosion/irritation Cat 1
Serious eye damage/eye irritation Cat 1
Hazard to aquatic environment, acute Cat 2

Hazard Statements: H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage.
H401: Toxic to aquatic life

Precautionary Statements: P102: Keep out of reach of children
P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face prote

Response: P301: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin water.
P304: IF INHALED: remove to fresh air and keep at rest in a position comfortable for breathing.

P305: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER Ph 131126 or doctor.
 P330: Rinse mouth
 P363: Wash contaminated clothing before reuse
 P391: Collect spillage

Storage:

P405: Store locked up

Disposal:

P501: Dispose of contents/container in accordance with local/national/international rules.

Other Hazards::

Not applicable, none known.

Section 3: Composition / Information on Ingredients

Substances / Mixtures	Cas Number	Conc, %	TWA(mg/m ³)	STEL(mg/m ³)
Potassium Hydroxide	1310-58-3	10 - <30%	2	Peak
Sodium Hypochlorite	7681-52-9	<10%	not set	not set
Sodium hydroxide	1310-73-2	<5%	2	Peak
Alkaline Salts	various	<2%	not set	not set
Water and other non hazardous Ingredients	secret	to 100%	not set	not set

Section 4: First Aid Measures

Eye: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or doctor.

Ingestion: For advice, contact a Poison Information centre on 131126 (Australia) or a doctor. If swallowed, do not induce vomiting.

First Aid Facilities: Eye wash facilities and safety shower should be available.

Immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Fire Fighting Measures

Extinguishing Media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent(carbon dioxide, dry chemical powder).

Special Hazards: Non-combustible material.

Advice For Firefighters: Not applicable.

Hazchem Code: 2R

Section 6: Accidental Release Measures

Small Spills: Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal..

Environmental Precautions: Prevent product from entering drains and waterways.

Large Spills: Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent. Collect and seal in properly labelled container or drums for disposal.

Section 7: Handling and Storage

Safe Handling Precautions: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating. Drinking and smoking in contaminated areas.

Recommendations for Storage: Store in cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should be bunded and have appropriate ventilation systems.

Specific End Use: No Information provided.

Section 8: Exposure Control / Personal Protection

Engineering Controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

Work Clothing: Wear coveralls and rubber boots and a PVC apron. If spraying, wear impervious coveralls.

Eye/face protection: Wear splash-proof goggles. When using large quantities or where heavy contamination is likely, wear a faceshield.

Skin Protection: Wear full-length PVC or full-length rubber gloves.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standards.

Biological Limits: No biological limit values have been entered for this product.

Exposure Standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Potassium Hydroxide	SWA (AUS)		2	PEAK	
Sodium Hydroxide	SWA (AUS)		2	PEAK	

Section 9: Physical and Chemical Properties

Physical Discription: Liquid	Melting Point: Not avail	Freezing Point: Not avail
Colour: Clear/Brown	Boiling Point: 100° at 100kPa	pH: 12.5 - 13.5
Sp Grav: 1.2	Odor: Slight Chlorine odour	Water Solubility: Soluble
Evaporation rate: Not avail	Flash Point: Not Relevant	Flammability: Non Flammable
Vapour Density: Not avail	Vapour Pressure: 2.36 kPa at 20°C	-

Section 10: Stability and Reactivity

Chemical Stability: This material is thermally stable when stored and used as directed.

Possibility of Hazardous

Reactions: Reacts with acids.

Conditions to Avoid: Elevated temperatures and sources of ignition.

Incompatible Materials: Acids and oxidising agents..

Hazardous Decomposition: Oxides of carbon, metals and nitrogen.

Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin Contact: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Eye Contact: A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Acute Toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20mg/L

Skin Contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/KG

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/KG

Corrosion / Irritancy: Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: this material has been classified as a Category 1A Hazard (irreversible effects to skin).

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration Hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous

Reproductive Toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Section 12: Ecological Information

Acute Aquatic Hazard: This material has been classified as a Category Acute 3 Hazard. Acute toxicity estimate (based on ingredients): 10 - 100mg/L

Toxicity: Product not tested.

Persistence and Degradability: Product not tested.

Degradability:

Mobility in Soil: Product not tested.

Bioaccumulative Potential: Product not tested.

Section 13: Disposal Information

Product Disposal: Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see Section 8. Exposure Controls and Personal Protection of this SDS.

Other Considerations: Dispose of in accordance with relevant legislation.

Section 14: Transport Information

Classified As Dangerous Goods By The Criteria Of The ADG Code.

UN Number: 1719, CAUSTIC ALKALI LIQUID, N.O.S.

Proper Shipping Name: CORROSIVE LIQUID, N.O.S.

Dangerous Goods Class: Class 8

Packing Group: II

Hazchem Code: 2R

Section 15: Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Potassium Hydroxide, Sodium Hypochlorite, Sodium Hydroxide, Alkaline Salts are mentioned in the SUSMP.

Section 16: Other Information

SDS Author: Greg SDS Author

Version Date:

1/12/2016

This SDS is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue. All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since J.T.DIXON cannot anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the use of or reliance upon this information. No expressed or implied warranties are given other than those mandated by Commonwealth, State, territory legislation.