

# Safety Data Sheet

according to WHS Regulations

Print date: 22.01.2024

Revision date: 22.01.2024

## 1 Identification

**Product Name:** REV-WASH

**Other Means of Identification:** Mixture

**Other Name:** Sodium hydroxide mixture in water

**Recommended Use of the Chemical and Restriction on Use:** Alkali detergent

**Details of Manufacturer or Importer:**

DASCO Pty Ltd  
24 -26 Helen Street  
Heidelberg Heights VIC 3081

**Phone Number:** (03) 9459 7004

**Emergency telephone number:** National Poisons Information Centre: 13 11 26

## 2 Hazard(s) Identification

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Corrosion

Skin Corrosion/Irritation 1A H314 Causes severe skin burns and eye damage.

Eye Damage 1 H318 Causes serious eye damage.



STOT SE 3

H335 May cause respiratory irritation.

**Signal Word** Danger

**Hazard Statements**

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

**Precautionary Statements**

P260 Do not breathe dusts or mists.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection / face protection.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 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/doctor.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 1310-73-2	Sodium hydroxide	⚠ Skin Corrosion/Irritation 1A, H314; ⚠ STOT SE 3, H335	30%
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### 4 First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek immediate medical attention.

**Eye Contact:**

In case of eye contact, rinse with water for several minutes, including under eyelids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give 1-2 glasses of water to drink in small sips. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:****Inhalation:** May cause respiratory irritation, burning sensation in the chest, cough, laboured breathing, sore throat and runny nose.**Skin Contact:** Causes severe skin burns and ulceration.**Eye Contact:** Causes serious eye damage. May cause redness and blurred vision.**Ingestion:** May cause irritation or burns to the mouth, nose, throat, oesophagus and stomach. May cause abdominal pain, nausea, vomiting, diarrhoea, low blood pressure, coma, heart failure and death. May cause swelling of the larynx and subsequent suffocation. Aspiration into the lungs may cause chemical pneumonitis and pulmonary oedema.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Water fog or fine spray.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of sodium.

Product is not flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting entering drains or water courses.

HAZCHEM Code: 2R

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours or mists. Ensure adequate ventilation.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

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**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.  
Collect the spilled material and place into a suitable container for disposal.

## 7 Handling and Storage

**Precautions for Safe Handling:**

Reacts violently with acids.

May be corrosive to metals and wood.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours and mists.

Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container, tightly closed when not in use. Protect from direct sunlight. Keep away from acids, acidic salts, active metals, ammonium compounds and wood.

## 8 Exposure Controls and Personal Protection

**Exposure Standards:**

**CAS: 1310-73-2 Sodium hydroxide**

WES	Peak limitation: 2 mg/m <sup>3</sup>
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**Engineering Controls:**

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

**Respiratory Protection:**

Use an approved combination particulate and vapour respirator (Filter type A/P) under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Rubber or plastic gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Slightly sweetish
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	14
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	>100 °C

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<b>Flash Point:</b>	No information available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure at 20 °C:</b>	23 hPa
<b>Relative Density at 20 °C:</b>	approx. 1.3
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Miscible in all proportions
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:**

Hazardous polymerisation will not occur.

Reacts violently with acids.

May be corrosive to metals and wood.

Contact with ammonium salts may generate toxic ammonia gas.

Contact with metals may generate flammable hydrogen gas.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.**Conditions to Avoid:** Direct sunlight.**Incompatible Materials:** Acids, acidic salts, active metals, ammonium compounds and wood.**Hazardous Decomposition Products:** Oxides of sodium.

## 11 Toxicological Information

**Toxicity:****LD50/LC50 Values:****CAS: 1310-73-2 Sodium hydroxide**

Oral LD50 1,350 mg/kg (Rattus norvegicus (rat))

**Acute Health Effects****Inhalation:**

May cause respiratory irritation, burning sensation in the chest, cough, laboured breathing, sore throat and runny nose.

**Skin:** Causes severe skin burns and ulceration.**Eye:** Causes serious eye damage. May cause redness and blurred vision.**Ingestion:**

May cause irritation or burns to the mouth, nose, throat, oesophagus and stomach. May cause abdominal pain, nausea, vomiting, diarrhoea, low blood pressure, coma, heart failure and death. May cause swelling of the larynx and subsequent suffocation. Aspiration into the lungs may cause chemical pneumonitis and pulmonary oedema.

**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Based on classification principles, the classification criteria are not met.

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This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**  
Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** Repeated light skin contact may lead to dermatitis.

**Existing Conditions Aggravated by Exposure:** No data available.

## 12 Ecological Information

**Ecotoxicity:**

**Aquatic toxicity:**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**CAS: 1310-73-2 Sodium hydroxide**

EC50/48 h	40.4 mg/l (Daphnia magna (water flea))
LC50/96 h	125 mg/l (Gambusia affinis (mosquito fish))
	45.4 mg/l (Oncorhynchus mykiss (rainbow trout))

**Persistence and Degradability:** No data available on finished product.

**Bioaccumulative Potential:** No data available on finished product.

**Mobility in Soil:** No data available on finished product.

**Other adverse effects:** No further relevant information available.

## 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport Information

<b>UN Number</b>	
<b>ADG, IMDG, IATA</b>	UN1824
<b>Proper Shipping Name</b>	
<b>ADG, IMDG, IATA</b>	SODIUM HYDROXIDE SOLUTION
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	8
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	II
<b>EMS Number:</b>	F-A,S-B
<b>Hazchem Code:</b>	2R
<b>Excepted quantities (EQ):</b>	E2
<b>Limited Quantities:</b>	1 L

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## 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:**

All ingredients are listed.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**  
Poisons Schedule: 6

## 16 Other Information

**Date of Preparation or Last Revision:** 22.01.2024**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Eye Damage 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”.

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