

# Safety Data Sheet

according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

## 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 Poison 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.

Serious Eye Damage/Irritation 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 hands thoroughly after handling.

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

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): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep 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.

P405 Store locked up.

(Contd. on page 2)

# Safety Data Sheet

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Printing date 02.09.2019

Revision: 02.09.2019

**Product Name: REV-WASH**

(Contd. of page 1)

P501 Dispose of contents/container in accordance with local/regional/national 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% |
|----------------|------------------|---|---|-----|

### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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 medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. 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, throat 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 water spray.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of sodium.

This product is not flammable, however contact with metals may generate flammable hydrogen gas.

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

**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 and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Increase ventilation.

**Environmental Precautions:**

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

(Contd. on page 3)

# Safety Data Sheet

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Revision: 02.09.2019

**Product Name: REV-WASH**

(Contd. of page 2)

**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.

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 original container in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect containers from physical damage. Protect from heat and direct sunlight. Keep away from acids, acidic salts, active metals (aluminium, tin, zinc), 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>

**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

**Respiratory Protection:**

Use an approved vapour respirator 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.

Impervious overalls, plastic apron, sleeves and boots should be worn when handling industrial quantities. See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:****Form:**

Mobile liquid

**Colour:**

Clear, almost colourless

**Odour:**

Slight, sweet odour

**Odour Threshold:**

No information available

**pH-Value:**

~14 (very alkaline)

**Melting point/freezing point:**

No information available

**Initial Boiling Point/Boiling Range:**

&gt; 100 °C

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 02.09.2019

Revision: 02.09.2019

**Product Name: REV-WASH**

(Contd. of page 3)

|   |                             |
|---|-----------------------------|
| <b>Flash Point:</b>                             | Not applicable              |
| <b>Flammability:</b>                            | Product is not flammable.   |
| <b>Decomposition Temperature:</b>               | No information available    |
| <b>Explosion Limits:</b>                        |                             |
| <b>Lower:</b>                                   | Not applicable              |
| <b>Upper:</b>                                   | Not applicable              |
| <b>Vapour Pressure at 20 °C:</b>                | 23 hPa                      |
| <b>Density:</b>                                 | No information available    |
| <b>Relative Density at 20 °C:</b>               | ~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>% Volatiles by Volume:</b>                   | ~64 %                       |
| <b>VOC:</b>                                     | Nil                         |

### 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 use.**Conditions to Avoid:** Physical damage to container, direct sunlight and heat.**Incompatible Materials:**

Acids, acidic salts, active metals (aluminium, tin, zinc), ammonium compounds and wood.

**Hazardous Decomposition Products:** Oxides of sodium.

### 11 Toxicological Information

**Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****CAS: 1310-73-2 Sodium hydroxide**

Oral LDLo 500 mg/kg (rabbit)

**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, throat 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.

(Contd. on page 5)

# Safety Data Sheet

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**Product Name: REV-WASH**

(Contd. of page 4)

**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:** 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:**

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

**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 information available**Additional toxicological information:** No information available

### 12 Ecological Information

**Ecotoxicity:** Harmful to aquatic organisms.**Aquatic toxicity:****CAS: 1310-73-2 Sodium hydroxide**EC<sub>50</sub>/48 h 40.38 mg/l (daphnia)LC<sub>50</sub>/96 h 125 mg/l (mosquito fish)

45.4 mg/l (rainbow trout)

**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**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

**UN Number****ADG, IMDG, IATA**

UN1824

**Proper Shipping Name****ADG, IMDG, IATA**

SODIUM HYDROXIDE SOLUTION

**Dangerous Goods Class****ADG Class:**

8 Corrosive substances.

**Packing Group:****ADG, IMDG, IATA**

II

**EMS Number:**

F-A,S-B

(Contd. on page 6)

# Safety Data Sheet

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**Product Name: REV-WASH**

(Contd. of page 5)

**Hazchem Code:** 2R  
**Limited Quantities:** 1L  
**Packagings & IBCs - Packing Instruction:** P001, IBC02  
**Portable Tanks & Bulk Containers - Instructions:** T7  
**Portable Tanks & Bulk Containers - Special Provisions:** TP2

## 15 Regulatory Information

### Australian Inventory of Chemical Substances:

|                |                  |
|----------------|------------------|
| CAS: 1310-73-2 | Sodium hydroxide |
| CAS: 7732-18-5 | Water            |

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

## 16 Other Information

**Date of Preparation or Last Revision:** 02.09.2019**Last Revision of MSDS:** 01.09.2009**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)  
 VOC: Volatile Organic Compounds  
 LC<sub>50</sub>: Lethal concentration, 50 percent  
 LD<sub>50</sub>: 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  
 Serious Eye Damage/Irritation 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 - February 2016"

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