



# SAFETY DATA SHEET

**ADW 35**

Infosafe No.: LQ66B  
Issued Date: 13/05/2016  
Issued by: JASOL AUSTRALIA

**CLASSIFIED AS HAZARDOUS**

## 1. IDENTIFICATION

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**GHS Product Identifier**

ADW 35

**Product Code**

2000040

**Company Name**

JASOL AUSTRALIA

**Address**

41-45 TARNARD DRIVE BRAESIDE  
VIC 3195 Australia

**Telephone/Fax Number**

Tel: 03 95805722

Fax: 03 95809902

**Emergency phone number**

1800 629953

**Recommended use of the chemical and restrictions on use**

Heavy duty powdered machine dishwashing detergent. Recommended usage 3-5g/L of water in machine.

**Other Information**

Jasol (a division of George Weston Foods Limited) believes the information in this document to be accurate as at the date of preparation noted in the header of the SDS, but to the maximum extent permitted by law, Jasol accepts no responsibility for any loss or damage caused by any person acting or refraining from action because of this information.

The provision of this information should not be construed by anyone as a recommendation to use this product. In particular, no one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation.

Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.

## 2. HAZARD IDENTIFICATION

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**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

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

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 1

STOT Single Exposure: Category 3 (respiratory tract irritation)

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

**Pictogram (s)**

Corrosion, Exclamation mark

**Precautionary statement – Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling

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

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

**Precautionary statement – Response**

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 or doctor/physician.

P363 Wash contaminated clothing before reuse.

**Precautionary statement – Storage**

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

P405 Store locked up.

**Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

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

Name	CAS	Proportion
Sodium carbonate	497-19-8	30-60 %
Sodium Metasilicate, Pentahydrate	10213-79-3	30-60 %
Sodium hydroxide	1310-73-2	0-10 %
Troclosene sodium, dihydrate	51580-86-0	0-5 %
Ingredients determined not to be hazardous		Balance

**4. FIRST-AID MEASURES****Inhalation**

If inhaled, remove affected person from contaminated area and keep at rest in a position comfortable for breathing. Seek medical attention. Apply artificial respiration if NOT breathing and immediately seek medical attention.

**Ingestion**

Do NOT induce vomiting. Wash/rinse out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

If on skin (or hair) remove/take off all contaminated clothing immediately after handling. Seek immediate medical attention and wash/rinse skin gently and thoroughly with water/shower and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses, if present and easy to do. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Product contains a low proportion of sodium hydroxide, disodium metasilicate and SDIC. Vomiting has not been induced because of risk of aspiration into the lungs. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted. Contact Poisons Information Centre.

**Most important symptoms/effects, acute and delayed**

No adverse health effects expected if the product is handled in accordance with this MSDS and the product label.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

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**5. FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media**

Carbon dioxide, dry chemical, foam, water fog or water mist.

**Unsuitable Extinguishing Media**

Do not use water jet.

**Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon dioxide, water vapour, sodium carbonate, oxides of sulphur, chlorine, sodium hypochlorite, cyanuric acid.

**Specific Hazards Arising From The Chemical**

This product is non combustible.

Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Will react vigorously or violently with acids, generating much heat, and giving off carbon dioxide, a simple asphyxiant and chlorine gas, a toxic gas. Contact with ammonium compounds will generate ammonia, a poisonous gas.

**Hazchem Code**

2X

**Decomposition Temperature**

Not available

**Precautions in connection with Fire**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Emergency Procedures**

Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe dust. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by sweeping up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to suitable containers. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Corrosive solids. Attacks skin and eyes. Causes burns. Avoid breathing in dust. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

### Conditions for safe storage, including any incompatibilities

Corrosive. Store in a cool dry well-ventilated area. Store away from oxidising agents and bases/acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations. Keep away from acids, aluminium, tin, zinc and galvanised iron.

For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 The storage and handling of corrosive substances.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Sodium hydroxide

TWA: 2 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing solid/dust away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn. Do not use on aluminium, tin, copper or copper alloys, zinc or galvanised iron.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material such as rubber or plastic. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

### Other Information

No exposure standards have been established for this material, however, the TWA exposure standards for dust not otherwise specified is 10 mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels. TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. Source: Safe Work Australia

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Form

Solid

### Appearance

White, granular powder.

### Colour

White

### Odour

Slight smell of chlorine.

### Decomposition Temperature

Not available

### Melting Point

Not available

### Boiling Point

Not available

### Solubility in Water

Soluble in water with generation of heat.

### Specific Gravity

Not available

### pH

12.0 - 12.5 (1% solution)

### Vapour Pressure

Not available

### Vapour Density (Air=1)

Not available

### Evaporation Rate

Not available

### Odour Threshold

Not available

### Viscosity

Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

### Volatile Component

Not available

### Partition Coefficient: n-octanol/water

Not available

### Flash Point

None.

### Flammability

Non combustible. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas.

### Auto-Ignition Temperature

No data for the mixture. Sodium dichloroisocyanurate will undergo self-sustaining decomposition with evolution of heat if heated to 240 - 250 °C.

### Explosion Limit - Upper

Not available

**Explosion Limit - Lower**

Not available

**Explosion Properties**

Not available

**Oxidising Properties**

Not available

**Kinematic Viscosity**

Not available

**Dynamic Viscosity**

Not available

**Other Information**

Hygroscopic

## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable under normal conditions of storage and handling.

**Reactivity and Stability**

Refer to Section 10: Possibility of hazardous reactions.

**Conditions to Avoid**

Extremes of temperature and direct sunlight

**Incompatible materials**

Not available.

**Hazardous Decomposition Products**

Will react vigorously with acids, generating heat and carbon dioxide, a simple asphyxiant and chlorine, a toxic gas. Contact with moisture will generate chlorine. May react violently with calcium hypochlorite. Contact with aluminium, tin, zinc or galvanised iron will generate hydrogen, a flammable gas. Contact with ammonium compounds will generate ammonia, a poisonous gas.

**Possibility of hazardous reactions**

Not available.

**Hazardous Polymerization**

Not available.

## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

No toxicity data available for this material.

**Ingestion**

Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

**Inhalation**

May cause respiratory irritation. Dust generated will cause irritation with possible burns to the mucous membrane and upper airways. Symptoms may include coughing, lesions of the nasal septum, severe pain and may lead to permanent tissue scarring. Inhalation of product dust can cause irritation of the nose, throat and respiratory system.

**Skin**

Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

**Eye**

Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a respiratory sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

No ecological data available for this material.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent large amounts from entering waterways, drains and sewers.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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**Transport Information**

This material is classified as a Class 8 Corrosive Substances Dangerous Goods

Class 8 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1: Explosives
  - Division 4.3: Dangerous when wet Substances
  - Division 5.1: Oxidising substances
  - Division 5.2: Organic peroxides
  - Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids
- Class 7: Radioactive materials unless specifically exempted  
and are incompatible with food and food packaging in any quantity.

Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 8  
UN No: 1759  
Proper Shipping Name: CORROSIVE SOLID, N.O.S. (CONTAINS: SODIUM METASILICATE PENTAHYDRATE AND SODIUM HYDROXIDE)  
(MARINE POLLUTANT)  
Packing Group: III  
EMS : F-A, S-B  
Special Provisions: 223, 274

Air Transport (ICAO/IATA):  
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class/Division: 8  
UN No: 1759  
Proper Shipping Name: corrosive solid, n.o.s. (Contains: sodium metasilicate pentahydrate and sodium hydroxide)  
Packing Group: II  
Packaging Instructions (passenger & cargo): 860  
Packaging Instructions (cargo only): 864  
Hazard Label: Corrosive  
Special Provision: A3, A803

**U.N. Number**

1759

**UN proper shipping name**

CORROSIVE SOLID, N.O.S.(Contains: Sodium metasilicate pentahydrate and Sodium hydroxide)

**Transport hazard class(es)**

8

**Packing Group**

III

**Hazchem Code**

2X

**Special Precautions for User**

Not available

**IERG Number**

37

**IMDG Marine pollutant**

Yes

**Transport in Bulk**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poisons Schedule**

S5

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS created: May 2016

**References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.



Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point**

The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766,

**END OF SDS**

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