

1. IDENTIFICATION

Product Name Potato Starch
Other Names Native Potato Starch

Uses Food and nutritional; Animal feed; Pharmaceutical; Cosmetics; Chemicals; Industrial and non-food.

Chemical FamilyNo Data AvailableChemical FormulaUnspecifiedChemical NameStarch

Product Description No Data Available

Contact Details of the Supplier of this Safety Data Sheet

 Organisation
 Location
 Telephone

 Redox Ltd
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Wiri Auckland 2104 New Zealand

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Redox Chemicals Sdn Bhd Level 2, No. 8, Jalan Sapir 33/7 +60-3-5614-2111

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40400 Shah Alam Sengalor, Malaysia

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation Location Telephone Poisons Information Centre Westmead NSW 1800-251525 131126 Chemcall Australia 1800-127406 +64-4-9179888 +64-4-9179888 Chemcall Malaysia Chemcall New Zealand 0800-243622 +64-4-9179888 National Poisons Centre New Zealand 0800-764766 CHEMTREC USA & Canada 1-800-424-9300 CN723420

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Adelaide

Brisbane

Perth

Sydney

Melbourne

+1-703-527-3887



Globally Harmonised System

Hazard Classification NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of

Chemicals (GHS)

Signal Word None

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods

by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Potato starch	Unspecified	9005-25-8	<=100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. Get medical advice/attention if you feel

unwell.

Eye IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting

the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for 10 - 15 minutes. If eye

irritation persists, get medical advice/attention.

Skin IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation

occurs, get medical advice/attention.

Inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms

persist, get medical advice/attention. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is

difficult.

Advice to Doctor Treat symptomatically and supportively.

Medical Conditions Aggravated by No information available.

Exposure

5. FIRE FIGHTING MEASURES

General Measures If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

Flammability Conditions Combustible; May burn but does not ignite readily.

Extinguishing Media Use dry chemical, Carbon dioxide (CO2), foam or water spray for extinction. Use media suitable to extinguish surrounding

fire.

Fire and Explosion Hazard Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a

potential dust explosion hazard.

Fire may produce irritating, toxic and/or corrosive fumes, including carbon dioxide, carbon monoxide.

Hazardous Products of

Combustion

Special Fire Fighting Instructions Contain runoff from fire control or dilution water - Runoff may pollute waterways.

Personal Protective Equipment Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may

provide limited protection.

Flash Point No Data Available

Lower Explosion Limit 60 g/m³

Upper Explosion LimitNo Data AvailableAuto Ignition TemperatureNo Data AvailableHazchem CodeNo Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material. Avoid

generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures Collect material (wet-sweep or vacuum up) and place in suitable, properly labelled containers for disposal (see SECTION

13). Avoid dispersal of dust in the air (i.e. clearing dusty surfaces with compressed air). Non-sparking tools should be

used.

Containment Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.

Decontamination Wash the area with plenty of water.

Environmental Precautionary

Measures

Avoid excessive discharge to drains. Small spillages and decontamination run-off may be washed to drains with large

quantities of water (under a waste-water treatment plan).

Evacuation Criteria Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

7. HANDLING AND STORAGE

Handling Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure

adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert

atmospheres.

Storage Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat

and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10).

Container Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General No specific exposure standards are available for this product. For dusts from solid substances without specific

occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m3 (measured as inhalable dust).

- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m3; TWA = 3 mg/m3 (respirable dust).

Exposure Limits No Data Available

Biological Limits No information available.

Engineering Measures A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust

ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing

dispersion of it into the general work area.

Personal Protection Equipment

- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses or goggles.
- Hand protection: Handle with gloves. Recommended: Impervious gloves, e.g. PVC, rubber.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Coveralls,

safety shoes.

Special Hazards Precaustions

No information available.

Work Hygienic Practices

Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid
Appearance Powder

Odour Odourless or typical, neutral

Colour White to off-white

pH 5.0 - 8.0 (10% suspension)

Vapour PressureNo Data AvailableRelative Vapour DensityNo Data AvailableBoiling PointNo Data AvailableMelting PointNo Data AvailableFreezing PointNo Data Available

Solubility Negligible solubility in cold water - Thickens in hot water

No Data Available

No Data Available

Specific GravityNo Data AvailableFlash PointNo Data AvailableAuto Ignition TempNo Data AvailableEvaporation RateNo Data AvailableBulk Density700 kg/m3

Corrosion Rate No Data Available **Decomposition Temperature** No Data Available Density No Data Available **Specific Heat** No Data Available **Molecular Weight** No Data Available **Net Propellant Weight** No Data Available **Octanol Water Coefficient** No Data Available **Particle Size** No Data Available **Partition Coefficient** No Data Available **Saturated Vapour Concentration** No Data Available Vapour Temperature No Data Available

VOC Volume

No Data Available

Additional Characteristics

No information available.

Viscosity

Volatile Percent

Potential for Dust Explosion - Dust explosion class (St): 1

- Maximum explosion pressure (Pmax): 9.3 bar.g

- Maximum rate of pressure rise (Kst value): 150 bar.m/s

- Minimum ignition energy (MIE), without inductance: 100 mJ - Minimum ignition energy (MIE), with inductance: 30 mJ

- Minimum ignition temperature of dust cloud (MIT): 420 °C

- Minimum ignition temperature of dust layer (LIT): 450 °C

Fast or Intensely Burning

Characteristics

No information available.

Flame Propagation or Burning

Rate of Solid Materials

No information available.

Non-Flammables That Could Contribute Unusual Hazards to a No information available.

Fire

Properties That May Initiate or Contribute to Fire Intensity

Combustible; May burn but does not ignite readily. May form combustible dust concentrations in air.

Reactions That Release Gases or

Vapours

Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including carbon dioxide, carbon monoxide.

Release of Invisible Flammable Vapours and Gases

No information available.

10. STABILITY AND REACTIVITY

General Information No information available.

Chemical Stability Stable under normal ambient conditions.

Conditions to Avoid Avoid generating dust. Keep away from heat and sources of ignition.

Materials to Avoid Incompatible/reactive with strong acids and alkalis, oxidising and reducing agents.

Hazardous Decomposition

Products

Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including carbon dioxide, carbon monoxide.

Hazardous Polymerisation Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

General Information Information on possible route of exposure:

> - Ingestion: May cause irritation of the gastrointestinal tract. - Eye contact: Particulates may cause mechanical irritation.

- Skin contact: Repeated or prolonged skin contact may cause mild irritation.

- Inhalation: Breathing in dust may cause respiratory tract irritation. Chronic effects: Not considered as a carcinogenic substance.

Carcinogen Category None

12. ECOLOGICAL INFORMATION

Ecotoxicity No information available. Persistence/Degradability Readily biodegradable. Mobility No information available.

Environmental Fate Prevent entry into drains and waterways.

No information available.

Bioaccumulation Potential

Environmental Impact No Data Available

13. DISPOSAL CONSIDERATIONS

General Information Dispose of contents/container in accordance with local/regional/national regulations.

Special Precautions for Land Fill Send to landfill or incinerate.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name
Potato Starch
No Data Available
Subsidiary Risk(s)
No Data Available
No Data Available
UN Number
No Data Available

UN NumberNo Data AvailableHazchemNo Data AvailablePack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (Germany)

Proper Shipping NamePotato StarchClassNo Data AvailableSubsidiary Risk(s)No Data AvailableNo Data Available

UN Number No Data Available
Hazchem No Data Available
Pack Group No Data Available
Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

No Data Available

Land Transport (Malaysia)

ADR Code

Hazchem

Proper Shipping Name
Class
No Data Available
Subsidiary Risk(s)
No Data Available
No Data Available
UN Number
No Data Available

Pack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (New Zealand)

NZS5433

Proper Shipping Name Potato Starch

Class No Data Available

Subsidiary Risk(s) No Data Available

No Data Available

UN Number No Data Available
Hazchem No Data Available
Pack Group No Data Available
Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (United States of America)

US DOT

Proper Shipping Name

Class

No Data Available

Subsidiary Risk(s)

No Data Available

No Data Available

UN Number No Data Available
Hazchem No Data Available
Pack Group No Data Available
Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport

IMDG Code

Proper Shipping Name Potato Starch Class No Data Available Subsidiary Risk(s) No Data Available **UN Number** No Data Available Hazchem No Data Available **Pack Group** No Data Available **Special Provision** No Data Available **EMS** No Data Available

Marine Pollutant No

Comments NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport

IATA DGR

Proper Shipping NamePotato StarchClassNo Data AvailableSubsidiary Risk(s)No Data AvailableUN NumberNo Data AvailableHazchemNo Data Available

Pack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods

by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information No Data Available
Poisons Schedule (Aust) Not Scheduled

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code Not Hazardous

National/Regional Inventories

Australia (AIIC) Listed

Canada (DSL) Not Determined

Canada (NDSL) Not Determined

China (IECSC) Not Determined

Europe (EINECS) 232-679-6

Europe (REACh) Not Determined

Japan (ENCS/METI) Not Determined

Korea (KECI) Not Determined

Malaysia (EHS Register) Not Determined

New Zealand (NZIoC) Listed

Philippines (PICCS) Not Determined

Switzerland (Giftliste 1) Not Determined

Switzerland (Inventory of Notified

Substances)

Not Determined

Taiwan (NCSR) Not Determined

USA (TSCA) Not Determined

16. OTHER INFORMATION

Related Product Codes

POSTAR1000, POSTAR1001, POSTAR1002, POSTAR1003, POSTAR1004, POSTAR1005, POSTAR1006, POSTAR1007, POSTAR1008, POSTAR1009, POSTAR1010, POSTAR1011, POSTAR1012, POSTAR1013, POSTAR1014, POSTAR1015, POSTAR1016, POSTAR1017, POSTAR1100, POSTAR1200, POSTAR1300, POSTAR1400, POSTAR1500, POSTAR2000, POSTAR2500, POSTAR3000, POSTAR3500, POSTAR3555, POSTAR3600, POSTAR4000, POSTAR4001, POSTAR4700, POSTAR4710, POSTAR4800, POSTAR4900, POSTAR4910, POSTAR5000, POSTAR5001, POSTAR5020, POSTAR5070, POSTAR5100, POSTAR5110, POSTAR5120, POSTAR5500, POSTAR6000, POSTAR6001, POSTAR6200, POSTAR6500, POSTAR6590, POSTAR6600, POSTAR7000, POSTAR7000, POSTAR7400, POSTAR7450, POSTAR7600, POSTAR8000, POSTAR8100, POSTAR8200, POSTAR8300, POSTAR8400, POSTAR9000, POSTAR9100, POSTAR9200, POSTAR9500, POSTAR9600, POSTAR9700, POSTAR9500, POSTAR9500, POSTAR9600, POSTAR9700, POTMOD2000, POTMOD2500, POTMOD3000, POTMOD3002

Revision

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square CentimetresCO2 Carbon Dioxide

COD Chemical Oxygen Demand **deg C (°C)** Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Farenheit

g Grams

g/cm3 Grams per Cubic Centimetre

g/I Grams per Litre

HSNO Hazardous Substance and New Organism **IDLH** Immediately Dangerous to Life and Health **immiscible** Liquids are insoluable in each other.

inHg Inch of Mercury
inH2O Inch of Water

K Kelvin **kg** Kilogram

kg/m3 Kilograms per Cubic Metre

Ib Pound

LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

Itr or L Litre m³ Cubic Metre mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours mg/kg Milligrams per Kilogram mg/m³ Milligrams per Cubic Metre

Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH2O Millimetres of Water mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health **NOHSC** National Occupational Heath and Safety Commission

OECD Organisation for Economic Co-operation and Development

Oz Ounce

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion
ppm Parts per Million

ppm/2h Parts per Million per 2 Hours ppm/6h Parts per Million per 6 Hours psi Pounds per Square Inch R Rankine RCP Reciprocal Calculation Procedure STEL Short Term Exposure Limit TLV Threshold Limit Value tne Tonne TWA Time Weighted Average ug/24H Micrograms per 24 Hours UN United Nations wt Weight