



MATERIAL SAFETY DATA SHEET

RUBBEDIN PTY LTD

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: “SOOT-LOOSE CHIMNEY & FLUE CLEANER”
Use: Chimney and flue cleaner.

Distributor: Rubbedin Pty Ltd
Emergency Phone No: 0405358685
Regular Phone No: (07) 3245 3255
Fax: (07) 3245 2554
Email: rubbedin@rubbedin.com.au
Address: Unit 1/43 Neumann Road
Capalaba QLD 4157

SECTION 2 – HAZARDS IDENTIFICATION

- This product is **classified as HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.
- This product is **NOT classified as a Scheduled Poison** according to the SUSDP.

Approved Worksafe Criteria Classification Xi - IRRITANT

R36/38 - Irritating to skin and eyes.

S2 - Keep out of reach of children.

S41 - In case of fire and/or explosion, do not breathe fumes.



UN Number none allocated
Shipping Name none allocated
Hazchem Code none allocated
SUSDP Classification not scheduled

ADG Classification none allocated
ADG Subsidiary Risk none allocated
Packing Group none allocated

EMERGENCY OVERVIEW

Colour straw
Physical Description powder
Major Health Hazards None known

Odour faint
Viscosity powder

SECTION 3 – INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication “List of Designated Hazardous Substances” or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication “Approved Criteria for Classifying Hazardous Substances”.

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
N-methyl-2-pyrrolidone	872-50-4	10 - 30% w/w	103 mg/m ³ (25 ppm)	309 mg/m ³ (75 ppm)
Ingredients determined to be non-hazardous	Various	> 60% w/w	not set	not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term “peak” is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.



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SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 03 474 7000).
First Aid Facilities	Normal washroom facilities.
Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
Eye contact	Immediately irrigate with water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist) if any irritation persists.
Ingestion	Do NOT induce vomiting. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Inhalation	Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor) if symptoms persist.
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient.
Aggravated Medical Conditions	None known.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Combustible solid. If involved in a fire will emit toxic fumes.
Extinguishing Media	Use an extinguishing media suitable for surrounding fires.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
Flash Point	Not determined.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	Minor spills do not normally need any special clean-up measures. Rinse with water. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material should be shoveled up into appropriately labeled drums for disposal by an approved agent according to local conditions. Flush spill area with water. Residual deposits will remain slippery. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

SECTION 7 – HANDLING AND STORAGE

Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Storage	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION



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Exposure Limits

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

Time-weighted Average (TWA): None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

Short Term Exposure Limit (STEL): None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

Biological Limit Value

None established for product.

Engineering Controls

No special requirements.

Personal Protective Equipment

This product is classified as hazardous according to the criteria of Worksafe Australia. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;

Eye Protection



Generally not required to handle as per label directions.

The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

Skin Protection



Generally not required to handle as per label directions.

Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

Protective Material Types

Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

Respirator

Not required for normal cleaning operations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	granular solid	Colour	straw
Odour	faint	Specific Gravity	1.8 @ 25 °C
Boiling Point	solid	Freezing Point	Not available
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not available - solid	Flammable Limits	None
Water Solubility	partially miscible	pH	8.0 - 9.0 in 10% soln
Volatile Organic Compounds (VOC)	Not available	Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	Ca 15 % v/v

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	Oxidising agents, extremes in temperature.
Incompatible Materials	Oxidising agents.
Hazardous Decomposition	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
Hazardous Reactions	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

PRODUCT MIXTURE INFORMATION

Local Effects	Irritant: eye, skin, inhalation and ingestion.
Target Organs	Eyes, mucous membranes, skin.

POTENTIAL HEALTH EFFECTS



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

Ingestion

short term exposure Harmful if swallowed. Ingestion of this product may cause nausea, vomiting, abdominal pain and irritation to the mouth, throat and stomach.

long term exposure No information available.

Skin contact

short term exposure May cause skin irritation. May cause skin sensitisation. Prolonged contact with concentrated product may be irritating.

long term exposure No information available.

Eye contact

short term exposure Eye contact may cause stinging, blurring, tearing, pain.

long term exposure No information available.

Inhalation

short term exposure Inhalation of mists or aerosols may produce mucous membrane and respiratory irritation.

long term exposure No information available.

Carcinogen Status

NOHSC

No significant ingredient is classified as carcinogenic by NOHSC.

NTP

No significant ingredient is classified as carcinogenic by NTP.

IARC

No significant ingredient is classified as carcinogenic by IARC.

Medical conditions

aggravated by exposure No information available.

SECTION 12 – ECOLOGICAL INFORMATION

Fish toxicity For ingredient N-methyl-2- pyrrolidone: *L. macrochirus* CL₅₀: 832 mg/l /96h.; *L.idus* LC₅₀: 4000 mg/l /96h.

Algae toxicity For ingredient N-methyl-2- pyrrolidone: *Desmodesmus subspicatus* IC₅₀: > 500 mg/l /72h.

Invertebrates toxicity For ingredient N-methyl-2- pyrrolidone: *Daphnia magna* EC₅₀: 4897 mg/l /48h.

Toxicity to Bacteria For ingredient N-methyl-2- pyrrolidone: > 9000 mg/l /48h.

OECD Biological degradation For ingredient N-methyl-2- pyrrolidone : Mobility: log P(o/w): (25 °C) -0,46
Bioaccumulative potential: Low probability of bioaccumulation (log P (o/w) < 1).

Bioconcentration factor: 0,16 (calculated)

Persistence and degradability: Biological degradability: good. Biological degradability: 73%/28d.

Further ecologic data:

BOD5: 1,1g/g; COD: 1,6g/g.

When introduced properly, no impairments in the function of adapted biological waste-water-treatment plants are to be expected. No ecological problems are to be expected when the product is handled and used with due care and attention.

General

Product miscible with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS



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Disposal

The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septic, and grey water systems. To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.

SECTION 14 – TRANSPORT INFORMATION

UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
Packaging Method	none allocated	Special Provisions	none allocated
Segregation	none allocated		

SECTION 15 – REGULATORY INFORMATION

AICS	All ingredients present on AICS.
Labeling Details	
HAZARD	Xi - IRRITANT
RISK PHRASES	R36/38 - Irritating to skin and eyes.
SAFETY PHRASES	S2 - Keep out of reach of children. S41 - In case of fire and/or explosion, do not breathe fumes.
SUSDP	None allocated
ADG Code	None allocated

SECTION 16 – OTHER INFORMATION

Acronyms	
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons.
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail.
CAS Number	Chemical Abstracts Service Registry Number.
UN Number	United Nations Number.
R-Phrases	Risk Phrases.
HAZCHEM	An emergency action code of numbers and letters which gives information to emergency services.
NOHSC	National Occupational Health and Safety Commission.
NTP	National Toxicology Program (USA).
IARC	International Agency for Research on Cancer.
AICS	Australian Inventory of Chemical Substances.
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
Literature References	List of Designated Hazardous Substances [NOHSC:10005(1999)] Australian Code For The Transport Of Dangerous Goods By Road And Rail – Sixth Edition. Standard for the Uniform Scheduling of Drugs and Poisons. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)] Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)] Material Safety Data Sheets – individual raw materials – Suppliers. HSIS – Hazardous Substance Information System – National Worksafe Data Base.
Revision Information	New Issue to standard: 2nd Edition [NOHSC: 2011(2003)].
Note	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
Contact Point	Regulatory Affairs Manager. Telephone (07) 3245 3255
Issue Date	03.08.2010 Supersedes Issue Date Aug 2006



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This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

The MSDS is valid for five years from date of issue but may be withdrawn and revised at any time prior to that date. All information contained in the Data Sheet is as accurate as possible at the time of issue. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. As per the Worksafe Guidance Note NOHSC 3017, each user should review the information in the specific context of the intended application. No expressed or implied warranties nor any responsibility for damages resulting from use of the information are given other than those implied mandatory by Commonwealth, State or Territory Legislation. If this product is to be re-packaged by others, it will be necessary for a new MSDS to be generated by the re-packer.