



universal drycleaning solutions



A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU

Infosafe No™ IMD5C Issue Date : July 2019 ISSUED by UDS Pty Ltd

This MSDS is intended to cover the 'Tonsil' range of acid-leached bentonite products

Product Name : **TONSIL POWDER**

Not classified as hazardous

1. Identification

This MSDS is intended to cover the 'Tonsil' range of acid-leached Bentonite products

GHS Product

Identifier

Emergency phone 1800 625 526
number

Bentonite, acid-leached has a variety of uses. It can be used as a binding agent, catalyst, adsorbent, filler, food and feed additives and others.

Recommended use of the chemical and restrictions on use Other Names Name

Product Code

Tonsil Range of Products 4900215

It is the user's responsibility to determine the suitability of this product for their applications and their methods of use.

Additional

Information

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Other Information

2. Hazard Identification

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

GHS classification of the substance/mixture

Signal Word (s) NONE.

Hazard Statement (s) None.

Pictogram (s) None.

The product contains less than 0.1% w/w RCS (respirable crystalline silica) as determined by the SWERF method. The respirable crystalline silica content can be measured using the "Size Weighted Respirable Fraction – SWERF" method. All details about the SWERF method is available at www.crystallinesilica.eu.

Depending on the handling and use (grinding, drying, bagging), airborne respirable dust may be generated. Dust contains respirable crystalline silica. Prolonged and or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE



universaldrycleaningsolutions



A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU

3. Composition/information on ingredients

SiO₂: 76.60%

Fe₂O₃: 2.10%

Al₂O₃: 9.70%

MgO: 1.20%

CaO: 0.57%

K₂O: 0.34%

Na₂O: 0.25%

TiO₂: 0.67%

LOI: 8.57%

All data mentioned above are typical for this product and based on average values. Certain deviations can appear due to processing of natural clay as raw material. In no case are these values to be regarded as specifications. On request, certificates of analysis for specified values of single properties can be agreed upon.

Composition, information on ingredients

Ingredients Name	CAS	Proportion
------------------	-----	------------

Silica (crystalline)	14808-60-7	<0.1 %
----------------------	------------	--------

Acid leached bentonite	70131-50-9	pure *
------------------------	------------	--------

4. First-aid measures

You should call a doctor or Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. Have the Safety Data Sheet with you when you call.

First Aid Measures

Inhalation Remove to fresh air immediately. Get medical attention immediately.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Skin Wash off immediately with soap and plenty of water.

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Eye contact

Indication of Treat symptomatically.

immediate medical attention and special treatment needed if necessary

Most important There are no acute and delayed symptoms and effects observed.

symptoms/effects, acute and delayed

5. Fire-fighting measures

In the event of fire, wear self-contained breathing apparatus. Special sliding risk through leaking of spilled product in connection with water.

Fire Fighting Measures

The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment : water spray jet , dry powder, foam, carbon dioxide

Suitable extinguishing media

Unsuitable No restrictions.

Extinguishing Media Special Protective Wear full protective clothing, including self-contained breathing equipment.

Equipment for fire fighters

The material is not flammable and it does not support fire. No hazardous thermal decomposition products.

Specific hazards arising from the chemical

Decomposition Temp. No decomposition if used as directed.



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE



universal drycleaningsolutions

A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU



6. Accidental release measures

Ensure adequate ventilation. Avoid dust formation. Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Avoid breathing dust. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Special sliding risk through leaking of spilled product in connection with water.

Emergency Procedures

Pick up and transfer to properly labelled containers. If product is released from trucks in roads, place signposts and remove the spill using vacuumcleaning systems. Avoid dust formation; avoid dry sweeping. Use vacuum suction unit or shovel into bags

Methods and materials for containment and cleaning up Environmental

No special environmental precautions required.

Precautions

Avoid dust formation; avoid dry sweeping. Use vacuum suction unit or shovel into bags.

Other Information

7. Handling and storage

Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8. Handle and open container with care. If you require advice on safe handling techniques or specific uses, please contact your supplier or check the further information referred to in section 16.

Precautions for Safe Handling

Minimize airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting. Stable under recommended storage conditions. Keep container tightly closed in a dry place. Product must not be stored together with smelly or volatile substance as it picks up foreign smells

Conditions for safe storage, including any incompatibilities

8. Exposure controls/personal protection

The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS/NZS 2161, Industrial Clothing: AS 2919, Industrial Eye Protection: AS/NZS 1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS 2210.

Exposure Controls,

Personal Protection

No exposure standards have been established for this product by Worksafe Australia, however, the TWA exposure standard for dusts not otherwise specified is 10 mg/m³.

Occupational exposure limit values

Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Appropriate engineering controls

Local ventilation to keep levels below established threshold values is recommended. In case of prolonged exposure to airborne dust concentrations, a suitable particle filter mask that complies with the requirements of national legislation is recommended, depending on the expected exposure levels.



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE



universal drycleaningsolutions



A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU

Respiratory Protection

Do not wear contact lenses. Safety glasses with side-shields. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye Protection Hand Protection Use a high fat protective cream after cleaning skin. Wear suitable gloves.

Body Protection Long sleeved clothing.

General industrial hygiene practice. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Hygiene Measures

9. Physical and chemical properties

Form Solid

Colour bright to earthy

Odour none

Decomposition No decomposition if used as directed.

Temperature

Melting Point >450°C

Boiling Point Not applicable.

Solubility in Water < 0,9 g/l (20 °C)

Specific Gravity 0.9 g/l (20°C)

pH >2 - 8.6 (20°C) (aqueous suspension)

Vapour Pressure Not applicable.

Vapour Density Not applicable.

(Air=1)

Evaporation Rate Not applicable.

Odour Threshold No data available.

Viscosity Not applicable.

Partition Coefficient: No data available.

n-octanol/water

Density Bulk density : 400 - 900 kg/m³

Flash Point Not applicable.

Flammability Does not ignite

Auto-Ignition no relative self-ignition temperature below 400 °C

Temperature

Flammable Limits - Not applicable.

Lower

Flammable Limits - Not applicable.

Upper

Explosion Properties Not applicable.

no oxidizing properties (Based on the chemical structure, the substance does not contain a surplus of oxygen or any structural groups known to be correlated with a tendency to react exothermally with combustible material)

Oxidising Properties

10. Stability and reactivity

Reactivity Stable under recommended storage conditions.

Chemical Stability The product is chemically stable.

Conditions to Avoid Forms slippery / greasy layers with water.

Inert, not reactive. Avoid storing together with materials that may be affected by dust.



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE



universal drycleaningsolutions



A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU

Incompatible Materials

Hazardous Not relevant.

Decomposition Products

11. Toxicological Information

LD50 > 2 g/kg (rat)

Method : OECD 401

Not acutely toxic by the oral route.

Acute Toxicity - Oral

LD50 > 2 g/kg (rat)

Method : OECD 402

Not acutely toxic by the dermal route.

Acute Toxicity - Dermal

LC50 50 mg/l (rat)

Method : OECD 403

Not acutely toxic by the inhalation route.

Acute Toxicity - Inhalation

Respiratory No data available.

Sensitisation not sensitizing (mouse)

Method : OECD 429

Skin Sensitisation

Test type : In vitro gene mutation study in bacteria

Result : negative

Method : OECD 471

Test type : In vitro chromosome aberration test

Result : negative

Method : OECD 473

Test type : In vitro gene mutation study in mammalian cells

Result : negative

Method : OECD 476

Germ cell mutagenicity Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive Based on available data, the classification criteria are not met.

Toxicity STOT-single Based on available data, the classification criteria are not met.

Exposure STOT-repeated No data available.

Exposure Aspiration Hazard No aspiration toxicity classification.

not irritant (rabbit)

Method : OECD 405

Serious eye damage/irritation

not irritant (rabbit)

Method : OECD 404



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE



universal drycleaning solutions



A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU

Skin corrosion/irritation

Specific symptoms in animal studies (likely route of exposure): In case of ingestion:

No acute or long term effects were seen in animal studies following oral exposure.

In case of skin contact: No acute effects were seen in an animal study following acute dermal exposure.

In case of inhalation: No acute effects were seen in an animal study following acute inhalation exposure.

Bentonite acid leached contains crystalline silica, which is a known cause of silicosis, a progressive, sometimes fatal lung disease. In a 1997 monograph (Volume 68, "Silica, Some Silicates, Coal Dust and Para-aramid Fibrils"), the International Agency for Research on cancer (IARC) has classified "inhaled crystalline silica from occupational sources" in Group 1 as a substance "carcinogenic to humans". In making the overall evaluation, the IARC Working Group noted that carcinogenicity in humans was not detected in all industrial circumstances studied. Crystalline silica has also been classified by the German MAK Commission as a human carcinogen (Category A1). Although bentonite acid-leached contains quartz, an intratracheal study (Creutzenberg 2008) on the read across substance bentonite demonstrated significant differences in toxicity following administration of equivalent

Other Information

doses of quartz as either bentonite (15.2 mg of bentonite with 60% quartz) or reference quartz (10.5 mg of 87% quartz). The reference-quartz caused significant, self-perpetuating lung toxicity while bentonite demonstrated significantly less toxicity and partial recovery during the study period. The main effect of bentonite was slight fibrosis and inflammation of the lung.

The study demonstrated that a simple bridging of toxicity data from quartz to bentonite acid-leached is not appropriate. Occupational exposure to respirable dust should be monitored and controlled.

12. Ecological information

The methods for determining biodegradability are not applicable to inorganic substances.

Persistence and degradability Mobility Product is almost insoluble and thus presents a low mobility in most soils.

Bioaccumulative Not relevant for inorganic substances.

Potential Other Adverse No data available.

Effects No data. Unlikely to be toxic to fish based on low solubility in water and results from algal and invertebrate studies.

Acute Toxicity - Fish

EC50 > 100 mg/l (48 h, Daphnia magna (Water flea))

Method : OECD 202

Due to the low solubility of substance study was performed on the eluate.

Acute Toxicity - Daphnia

EC50 > 100 mg/l (72 h, Desmodesmus subspicatus (green algae))

Method : OECD 201

Due to the low solubility of substance study was performed on the eluate.

Acute Toxicity - Algae

EC50 > 1 g/l (3 h, activated sludge)

Method : OECD 209

Harmless to STP microorganisms.

Acute Toxicity - Bacteria

Other Information The substance does not meet the criteria for PBT or vPvB substance.



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE



universaldrycleaningsolutions



A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU

13. Disposal considerations

Disposal Dispose of waste according to applicable local, state and federal regulations.

Considerations

Can be disposed of as solid waste in a suitable installation subject to the Environmental Protection (Duty of Care) Regulations. Avoid dust formation. Where possible recycling is preferred to disposal or incineration.

Product Disposal

14. Transport information

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not a Dangerous Good according to NZS 5433:2007 Transport of Dangerous Goods on Land & Dangerous Goods Rule 2005. Not regulated for transport of Dangerous Goods: ADG7, UN, IATA, IMDG.

Transport Information

15. Regulatory information

All components of this material are listed on or exempt from the New Zealand Inventory of Chemicals (NZIoC).

Regulatory Information

Poisons Schedule Not Scheduled

All components of this material are listed on or exempt from the Australian Inventory of Industrial Chemicals(AIIC).

AICS (Australia)

16. Other Information

Contact Person/Point An electronic version of this SDS is available at www.udsptyltd.co.au

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th

Edition AICS: Australian Inventory of Chemical Substances

ASCC: Office of the Australian Safety and Compensation Council

Other Information

BCF: Bioconcentration Factor

CAS number: Chemical Abstracts Service Registry Number

CMR: Carcinogenic, Mutagenic or toxic to Reproduction

DMEL: Derived Minimum Effect Level

DNEL: Desired NO Effect Level

EPA: Environmental Protection Agency

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

Hazchem Code: Emergency action code of numbers and letters that provide information to emergency services especially fire fighters

IARC: International Agency for Research on Cancer

IOELV: Indicative Occupational Exposure Limit Value

LC50: Lethal Concentration, 50 percent

LD50: Lethal Dose, 50 percent

NICNAS: National Industrial Notification & Assessment Scheme

NIOSH: National Institute for Occupational Safety & Health

NOAEL: No Observed Adverse Effect Level

NOEC: No Observed Effect Concentration

NOS: Not otherwise specified

NTP: National Toxicology Program (USA)

OEL: Occupational Exposure Limit



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE



universal drycleaningsolutions



A.C.N. 093 740 795

UDS PTY LTD
3 SPIRETON PLACE, PENDLE HILL, NSW, 2145
TELEPHONE 61 2 9688 2022 FACSIMILE 61 2 9688 2044
EMAIL: CONSUMABLES@UDCS.COM.AU

OSHA: Occupational Safety & Health Administration

PBT: Persistent Bioaccumulative Toxic chemical

PMCC: Pensky Martens Closed Cup

PNEC: Predicted No Effect Concentration

R-Phrase: Risk Phrase

STEL: Short Term Exposure Limit

STOT-SE: Specific Target Organ Toxicity (Single Exposure)

STOT-RE: Specific Target Organ Toxicity (Repeated Exposure)

SUSMP: Standard for the Uniform Scheduling of Medicines & Poisons

TWA: Time Weighted Average

UN Number: United Nations Number

vPvB: Very Persistent and Very Bioaccumulative

WEEL: Workplace Environmental Exposure Level

WEL-TWA: Workplace Exposure Limit, Time Weighted Average

...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an UDS Pty Ltd for UDS Pty Ltd MSDS displayed is the intellectual property of UDS Pty Ltd Copyright in the layout, presentation and appearance of each UDS Pty Ltd MSDS displayed is the intellectual property of UDS Pty Ltd.

The compilation of MSDS's displayed is the intellectual property of UDS Pty Ltd. Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of UDS Pty Ltd



CLEANING & FINISHING
Solutions



Solutions that work for your business

SYDNEY

www.udsptyltd.com.au

MELBOURNE