



EXFOLIATORS

SAFETY DATA SHEET

Cellulose Hydro Mulch

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

1.1 Product identifier

Product name CELLULOSE HYDRO MULCH
Synonym(s) • Cellulose • Hydroseed mulch • Cellulose Mulch •480

1.2 Uses and uses advised against

Use(s) Holding moisture or preventing erosion. Cellulose Hydro mulch is made from untreated cellulose fibers derived from recycled paper. Cellulose fibers are classified as "nuisance dust," that is, dust which, while possibly irritating and unpleasant, is not a health hazard. There are no known health risks associated with its intended use.

1.3 Details of the supplier of the product

Supplier name EXFOLIATORS (AUST) PTY LTD
Address 3 Kitchen Road
Dandenong South, Victoria 3175
Australia
Telephone +61 3 9706 6049
Fax +61 3 9706 6046
Email office@exfoliators.com.au
Website www.exfoliators.com.au

1.4 Emergency telephone number(s)

Emergency +61 3 9706 6049

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

NON-HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS.

GHS Classification Not Applicable
Poisons Schedule Not Applicable

2.2 GHS Label elements

Signal Word Not Applicable
Hazard Pictograms Not Applicable
Hazard statement(s) Not Applicable
Precautionary Statement(s) Not Applicable

2.3 Other hazards

Flammable: Yes

HEALTH INFORMATION

Routes of entry Inhalation, eye contact, and skin contact.
Inhalation Cellulose dust may cause sneezing, irritation, and dryness of the nose and throat. Dust may aggravate pre-existing respiratory conditions.
Ingestion Not a normal route of entry. Small amounts swallowed are not likely to cause effects; swallowing larger amounts may cause gastrointestinal symptoms.
Skin contact Cellulose dust can cause irritation. Skin absorption is not known to occur.
Eye contact Cellulose dust can irritate the eyes.
Chronic exposure None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Ingredients

Name	Product Identifier	Proportion
Not Applicable		

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove to fresh air if respiratory irritation develops, and get medical aid promptly if irritation persists.
Skin Wash off with running water then wash thoroughly with soap or mild detergent and water if irritation is experienced.
Eye Open eyelids and flush with water for at least 15 minutes if irritation persists get medical aid.

Ingestion Seek medical advice immediately.
First Aid Facilities Eye wash station. Normal washroom facilities.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing media suitable for surrounding environment.
 Use as appropriate: Water.

5.2 Special hazards arising from the substance or mixture

Burning produces carbon monoxide (CO) and carbon dioxide (CO2).

5.3 Advise for firefighters

Firefighting instructions Alert Fire Brigade and advise location and nature of hazard. No special firefighting procedures required. Use firefighting procedures suitable for surrounding area.
Protection during Firefighting Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

5.4 HAZCHEM code

None allocated

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures Avoid breathing dust. Use in well-ventilated area. Handle in accordance with good industrial hygiene and safety practices. Wet product will be slippery.
Protective equipment If the product is used in such a way that high dust levels is generated, wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
Emergency procedure Evacuate all unnecessary personnel.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Clean up areas where dust settles. Minimize blowdown or other practices that generate high airborne dust concentrations.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store away from water, foodstuffs and incompatible materials. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
Storage container Store in a cool, dry place. Keep away from fire and any sources of ignition.

7.3 Specific end use(s)

See Section 1 of SDS for further information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits (OEL) No limit values have been allocated for this material.
Biological limits No limit values have been allocated for this material.

8.2 Exposure controls

Engineering controls None required for outdoor mixing and application. Use dust collection system for indoor handling. Use in well ventilated area. Local exhaust ventilation should be used to prevent excessively dusty conditions and to maintain dust levels below exposure limits. Work areas should be cleaned regularly by wet sweeping or vacuuming

Personal protective equipment



Eye Protection Wear safety glasses or safety goggles.
Hand Protection Generally not required. However, for industrial use, wear gloves of impervious material. Reference should be made to AS/NZS 2161.1:2016 Occupational protective gloves - Selection, use and maintenance.
Respiratory If the product is used in such a way that high dust levels is generated, an approved dust protection mask (filter P1) and safety glasses are recommended.
General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eye wash station is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

9.1 Information on basic physical and chemical properties

Physical state Cellulose Fibers
Colour Grey
Odour Odourless
Melting point Not Relevant

Boiling point	Not Relevant
Flammability	Flammable
Lower Explosion limits	Not Relevant
Upper Explosion limits	Not Relevant
Flash point	Not Relevant
Auto-ignition temp.	Not Available
Decomposition temp.	Not Available
pH value	Not Available
Kinematic viscosity	Not Available
Solubility	Not Available
Partition coefficient (n-octanol/water)	Not Available
Vapour pressure	Not Available
Density and/or relative density	Not Available
Relative vapour density	Not Applicable
Particle characteristics	Not Available

9.2 Other information

Bulk density 108-113 kg/m³

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable product.

10.2 Chemical stability

Not Applicable

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Avoid dust generation. Avoid heat, sparks, open flames and other ignition sources. Contact with strong acids and oxidizers may generate heat. Product may ignite at temperatures in excess of 200°C (400°F).

10.5 Incompatible materials

Strong acids and oxidizers.

10.6 Hazardous decomposition products

Not Applicable

11. TOXICOLOGICAL INFORMATION

11.1 Likely routes of exposure

Inhalation, skin contact and eye contact. Exposure by ingestion (swallowing) is not expected to occur.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	Inhalation of large amounts may cause irritation.
Skin	Although rare, dust may cause dermatitis in sensitized people.
Eye	Eye contact with cellulose mulch paper may cause irritation, redness, or discomfort.
Ingestion	Ingestion of cellulose mulch paper is unlikely to cause significant harm, as it is generally considered non-toxic. However, swallowing large amounts of the paper may lead to gastrointestinal discomfort, such as nausea, vomiting, or abdominal pain. If ingested accidentally, it's advisable to drink plenty of water and seek medical advice if symptoms persist or worsen

11.3 Toxicological effects from short- and long-term exposure

Acute toxicity	⊘	Carcinogenicity	⊘
Skin corrosion/irritation	✓	Reproductive toxicity	⊘
Serious eye damage/irritation	✓	(STOT) – single exposure	⊘
Respiratory or skin sensitization	✓	(STOT) – repeated exposure	⊘
Germ cell mutagenicity	⊘	Aspiration hazard	⊘

Legend: ✗ - Data available but does not fill the criteria for classification
 ✓ - Data required to make classification available
 ⊘ - Data not available to make classification

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available for this material.

12.2 Persistence and degradability

No data available for this material.

12.3 Bio accumulative potential

No data available for this material.

12.4 Mobility in soil

No data available for this material.

12.5 Other adverse effects

No data available for this material.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal

Reuse or recycle where possible. Dispose of to an approved landfill. Dispose of in accordance with federal, EPA and state regulations.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG, IMDG OR IATA CODE

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG)	AIR TRANSPORT (ICAO- IATA / DGR)
14.1 UN Number	Not Regulated	Not Regulated	Not Regulated
14.2 Proper Shipping Name	Not Regulated	Not Regulated	Not Regulated
14.3 DG Class	Not Regulated	Not Regulated	Not Regulated
14.4 Packing Group	Not Regulated	Not Regulated	Not Regulated

14.5 Environmental hazards

No data is available for this material.

14.6 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not regulated

14.7 Special precautions for user

HAZCHEM code None allocated

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the product

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications SWA (Safework Australia) criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

Inventory listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**
All components are listed on AICS, or are exempt.
AUSTRALIA: HCIS (Hazardous Chemical Information System)
All components are listed on HCIS, or are exempt.

16. OTHER INFORMATION

Additional information

PPE GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Reference Materials / Sources for Data

- AS/NZS 1336:2014 Eye and Face Protection – Guidelines
- AS/NZS 1715:2009 Selection, Use and Maintenance of Respiratory Protective Devices
- AS/NZS 2161.1:2016 Occupational protective gloves - Selection, use and maintenance
- AS/NZS 4501.1:2008 Occupational Protective Clothing – Guidelines on the selection, use, care and maintenance
- AS ISO 16972:2015 Respiratory Protective Devices – Terms, definitions, graphical symbols and units of measurement
- Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)
- Australian Inventory of Chemical Substances
- Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
- Hazardous Chemical Information System (HCIS)
- International Air Transport Association Dangerous Goods Regulations (DGR)
- International Bulk Chemical Code (IBC Code)
- Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice
- Safe Work Australia
- Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
- The International Maritime Dangerous Goods Code (IMDG Code)
- The Work Health and Safety Act (WHS Act)
- The Work Health and Safety Regulations (WHS Regulations)
- Workplace Exposure Standards for Airborne Contaminants



EXFOLIATORS

SAFETY DATA SHEET

Abbreviations

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS No.	Chemical Abstract Service number – used to uniquely identify chemical compounds
DGR	Dangerous Goods Regulations
EPA	Environmental Protection Authority
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
HCIS	Hazardous Chemical Information System (HCIS)
HF	Hydrogen Fluoride
IATA	International Air Transport Association
IBC Code	International Bulk Chemical Code
ICAO	International Civil Aviation Organisation
IMDG Code	International Maritime Dangerous Goods Code
IMO	International Maritime Organisation
kg/m ³	Kilograms per Cubic Metre
MARPOL	The International Convention for the Prevention of Pollution from Ships
mg/m ³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limits
pH	A numeric scale used to specify the acidity or basicity (alkalinity) of an aqueous solution. Ranges from 0 (high acidity) to 14 (high alkalinity) with 7 being neutral.
PPE	Personal Protective Equipment
SCBA	Self-Contained Breathing Apparatus
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TWA	Time-Weighted Average
WHS	Work Health and Safety

Revision history

Version	Description
1.0	Initial SDS creation

Prepared by

Exfoliators (Aust) Pty Ltd
3 Kitchen Road
Dandenong South, Victoria 3175
Australia
Contact: Graeme Raper
Phone: +61 3 9706 6049
Fax: +61 3 9706 6046
Email: office@exfoliators.com.au
Web: www.exfoliators.com.au

All information contained in this Safety Data Sheet are considered to be accurate to the best of our knowledge as of the issue date specified above.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

Revision: 1.0

SDS Date: 18 April 2023

[End of SDS]

Implementation Date	18/04/2024	Prepared By	EXFOLIATORS	Review Date	APR 2029
Authorised By	G Raper	Document No.	SDS-008	Page 5 of 5	Reviewed