

Version 2.3	Revision Date 01/08/2025	Print Date 01/08/2025
SECTION 1. PRODUCT AND COM	PANY IDENTIFICATION	
Trade name	<ul> <li>1000 Series SPIN-GLAS®, 800 Series SPIN-GLAS® Ultra, Incomb Incombustible MICROLITE®, Micro Precipitator SPIN-GLAS®</li> </ul>	oustible Hullboard,
Manufacturer or supplier's detail	ls	
Company Address	: Johns Manville : P.O. Box 5108 Denver, CO USA 80217-5108	
Telephone Emergency telephone number	: +1-303-978-2000 : 24-Hour Number: +1-800-424-9300	0 (CHEMTREC)
Company Address	<ul> <li>Johns Manville Canada Inc.</li> <li>5301 42 Avenue Innisfail, AB Canada T4G 1A2</li> </ul>	
Telephone Emergency telephone number	: +1-303-978-2000 : 24-Hour Number: +1-800-424-9300	0 (CHEMTREC)
Recommended use of the chem	nical and restrictions on use	
	<ul> <li>thermal and/or acoustic insulation</li> <li>For professional users only.</li> <li>productsafety@jm.com</li> </ul>	

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Regulations

Not a hazardous substance or mixture.

#### **GHS** label elements

Not a hazardous substance or mixture.

#### Other hazards

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

# Chemical nature

Glass fiber product

#### Hazardous components

Non-hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Regulations, when used as intended.

#### Relevant ingredients

Chemical name	CAS-No.	Concentration (% w/w)
non-biopersistent (biosoluble) glass fibers	Not Assigned	>= 80 - <= 90 %



Version 2.3	Revision Date 01/08/2025	Print Date 01/08/2025
cured urea-extended ph	enol-formaldehyde resin   Not Assigned	>= 10 - <= 20 %

## **SECTION 4. FIRST AID MEASURES**

General advice	:	Handle in accordance with good industrial hygiene and safety practice.
If inhaled	:	Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of skin contact	:	In case of contact, flush skin with plenty of water for at least 5 minutes while removing contaminated clothing and shoes. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lens, if worn. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact.
Protection of first-aiders	:	Abrasion effects should subside after cessation of exposure. If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	:	Treat symptomatically.

## **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	Carbon dioxide (CO2) Foam Dry powder Water
Unsuitable extinguishing media	none
Specific hazards during firefighting	Under the influence of high temperatures, e.g. during a fire in the warehouse, decomposition products like carbon oxide may be released due to the low content of organic compounds.
Hazardous combustion products	carbon oxides nitrogen oxides Hydrocarbons
Specific extinguishing methods Special protective equipment for firefighters	<ul> <li>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</li> <li>Wear self-contained breathing apparatus for firefighting if necessary.</li> </ul>

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions,



Version 2.3		Revision Date 01/08/2025	Print Date 01/08/2025
protective equipment and emergency procedures			
Environmental precautions	:	Should not be released into the e	environment.
Methods and materials for containment and cleaning up	:	Clean up promptly by scoop or va Pick up and arrange disposal with	

## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special protective measures against fire required.
Advice on safe handling Conditions for safe storage	:	Smoking, eating and drinking should be prohibited in the application area. Minimize dust generation and accumulation. Do not breathe vapours/dust. Do not get in eyes or mouth or on skin. For personal protection see section 8. Keep in a dry, cool place.
Materials to avoid	:	No materials to be especially mentioned.
Further information on storage stability	:	Stable at normal ambient temperature and pressure.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Synthetic vitreous fibers, glass wool fibers	Not Assigned	TWA (fibers)	1 fibers/cm3	ACGIH
Fibrous glass dust	Not Assigned	TWA	3 fibers/cm3	NIOSH REL
		TWA (total)	5 mg/m3	NIOSH REL
Inert or Nuisance Dust	Not Assigned	TWA (total dust)	15 mg/m3	OSHA
		TWA (respirable fraction)	5 mg/m3	OSHA
Synthetic Vitreous Fibres (Man Made Mineral Fibres) – Glass wool fibres	Not Assigned	TWA	1 fibers/cm3	CA ON OEL
		TWA	1 fibers/cm3	CA ON OEL
		TWA	1 fibers/cm3	CA BC OEL
		TWA (fibers)	1 fibers/cm3	CA AB OEL
Fibres-Artificial Vitreous Mineral Fibres	Not Assigned	TWAEV (fibers)	2 fibers/cm3	CA QC OEL

As a member of the North American Insulation Manufacturers Association (NAIMA), Johns Manville subscribes to the NAIMA Product Stewardship Program (NPSP). Under the NPSP, Johns Manville recommends that exposures be limited to the NAIMA-OSHA voluntary Permissible



ersion 2.3	Revision Date 01/08/2025	Print Date 01/08/2025
protection recommendation Health and Safety Reference	f/cc TWA. The NPSP also includes work s for exposures over the vPEL. For more ce Library (website: http://insulationinstitu health-safety/) to find the Product Stewa ets.	e information, see NAIMA's ute.org/tools-
Engineering measures	<ul> <li>During initial heat-up to operating (350 °F), thermal decomposition may occur.</li> <li>Use local exhaust ventilation, or maintain airborne levels below ex guidelines.</li> <li>If there are no applicable exposu guidelines, wear respiratory prote such as respiratory irritation or di experienced, or where indicated process.</li> </ul>	of the organic binder/sizing other engineering controls to xposure limit requirements or ire limit requirements or ection when adverse effects, iscomfort have been
Personal protective equip	oment	
Respiratory protection	<ul> <li>No personal respiratory protective required.</li> <li>During initial heat-up to operating (350 °F), thermal decomposition may occur.</li> <li>Use local exhaust ventilation, or maintain airborne levels below exercised below exercised below.</li> <li>If there are no applicable exposud guidelines, wear respiratory protects such as respiratory irritation or diversed by the experienced, or where indicated process.</li> </ul>	g temperatures above 177 °C of the organic binder/sizing other engineering controls to xposure limit requirements or ure limit requirements or ection when adverse effects, iscomfort have been
Hand protection Material	: Protective gloves	
Remarks Eye protection Skin and body protection	<ul> <li>For prolonged or repeated conta</li> <li>Safety glasses with side-shields</li> <li>Wear protective clothing, such as pants.</li> </ul>	s long-sleeved shirts and
Hygiene measures	<ul><li>Remove and wash contaminated</li><li>Handle in accordance with good practice.</li></ul>	

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Colour Odour Odour Threshold	: solid : colored : slight : No data available
рН	: Not applicable
Flash point Evaporation rate	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> </ul>



Version 2.3	Revision Date 01/08/2025	Print Date 01/08/2025
Flammability (solid, gas)	: Not applicable	
Upper explosion limit	: Not applicable	
Lower explosion limit	: Not applicable	
Vapour pressure	: Not applicable	
Relative vapour density	: Not applicable	
Relative density	: No data available	
Solubility(ies) Water solubility	: insoluble	
Solubility in other solvents Partition coefficient: n- octanol/water	: No data available : Not applicable	
Auto-ignition temperature Thermal decomposition	<ul><li>No data available</li><li>Not applicable</li></ul>	
Viscosity Viscosity, dynamic	: Not applicable	
Viscosity, kinematic	: Not applicable	

# SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable under normal conditions. None known.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	Exposure to moisture hydrofluoric acid Thermal decomposition can lead to release of irritating gases and vapors.

## SECTION 11. TOXICOLOGICAL INFORMATION

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



Version 2.3

Revision Date 01/08/2025

Print Date 01/08/2025

#### **Further information**

#### Product:

Remarks: During initial heat-up to operating temperatures above 177 °C (350 °F), thermal decomposition of the organic binder/sizing may occur. Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.

Remarks: Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure.

Remarks: Trace amounts of formaldehyde may be released when in contact with moisture, including humidity. This release is most prevalent in conditions of high heat and humidity.

## **SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity	
No data available	
Persistence and degradability No data available	
Bioaccumulative potential No data available	
<b>Mobility in soil</b> No data available	
Other adverse effects	
Product:	
Ozone-Depletion Potential :	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological : information	Due to the properties of the product, a hazard to the environment may not be expected.

## SECTION 13. DISPOSAL CONSIDERATIONS

## **Disposal methods**

Waste from residues	:	Dispose of contents/ container to an approved facility in accordance with local, regional, national and international
		regulations.



Version 2.3	Revision Date 01/08/2025	Print Date 01/08/2025
SECTION 14. TRANSPORT	INFORMATION	
International transport regu	lations	
	angerous good under transport regulations gerous good under transport regulations	
Sea transport IMDG: Not classified as a dar	ngerous good under transport regulations	
Air transport IATA/ICAO: Not classified as	a dangerous good under transport regulation	S
SECTION 15. REGULATOR	(INFORMATION	
TSCA list		
TSCA - 5(a) Significant N Chemicals	lew Use Rule List of : Not relevan	ht

U.S. Toxic Substances Control Act (TSCA) Section : Not relevant 12(b) Export Notification (40 CFR 707, Subpart D)

## EPCRA - Emergency Planning and Community Right-to-Know Act

## **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	:	No SARA Hazards
SARA 302	:	This material does not contain any components with a section 302 EHS TPQ.
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).



Version 2.3	Revision Date 01/08/2025	Print Date 01/08/2025

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including formaldehyde, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

#### The components of this product are reported in the following inventories:

: Since these products are considered articles according to most of the international chemical regulations, they or their constituents need not be listed on the national inventories.

#### **SECTION 16. OTHER INFORMATION**

Further information Revision Date	:	01/08/2025
Full text of other abbreviation	ons	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA ON OEL	:	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
CA QC OEL	:	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
CA AB OEL / TWA		8-hour Occupational exposure limit
CA BC OEL / TWA	:	8-hour time-weighted average
CA ON OEL / TWA	:	Time-Weighted Average Limit (TWA)
CA QC OEL / TWAEV	:	Time-weighted average exposure value
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL -Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS -Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -



Version 2.3

Revision Date 01/08/2025

Print Date 01/08/2025

Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA -National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD -Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS -Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.