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Revision Date 13 Nov 2018

Version 1

1. IDENTIFICATION

Product Name	CAFCO-BOARD [®]
Synonyms	Bonded Mineral Wool
Recommended Use	Rigid Board Fire Resistive Material
Manufacturer Address	Supplier's Address
Owens Corning Mineral Wool, LLC One Owens Corning Parkway Toledo, Ohio 43659	ISOLATEK International 41 Furnace Street Stanhope, NJ 07874, USA Toll Free 1-800-631-9600
Company Phone Number	1-800-GET-PINK or 1-800-438-7465
24 Hour Emergency Phone Number Emergency Telephone	Chemtrec 1-800-424-9300 or 1-703-741-5970 CCN17393 1-419-248-5330 (after 5 pm ET and weekends)
E-mail address	safetydatasheet@owenscorning.com

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status	This product is not classified as hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) This product is considered an article. 29 CFR 1910.1200(c) definition of an article is as follows: "Article" means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees
WHMIS Regulatory Status	This product is considered an article per the Canadian Hazardous Products Regulation SOR/2015-17 Manufactured articles which meet the definition of the Canadian Hazardous Products Act (any article that is formed to a specific shape or design during manufacture, the intended use of which when in that form is dependent in whole or in part on its shape or design, and that, when being installed, if the intended use of the article requires it to be installed, and under normal conditions of use, will not release or otherwise cause an individual to be exposed to a hazardous product) are not regulated by the Canadian Hazardous Products Regulation SOR/2015-17

Label elements

The product contains no substances which at their given concentration, are considered to be hazardous to health

Hazards not otherwise classified (HNOC) May cause temporary skin and mucous membranes itching due to the mechanical abrasion effect of fibers

Unknown acute toxicity No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Components

Chemical name	CAS No.	Weight-%	Trade Secret
Mineral Wool	65997-17-3	90-100	*
Phenolic Resin	NA	1-5	*
Urea	57-13-6	0-5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

Comments The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product

4. FIRST AID MEASURES

Description of First Aid Measures

- Eye contact**
- DO NOT rub or scratch eyes
 - Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
 - If eye irritation persists: Get medical advice/attention
- Skin contact**
- Wash off immediately with soap and plenty of cold water
 - DO NOT use warm water because this will open up the pores of the skin, which will cause further penetration of fibers and dust
 - Use a wash cloth to help remove fibers and dust
 - DO NOT rub or scratch affected area
 - Remove contaminated clothing and shoes
 - If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin
 - If skin irritation persists, call a physician
 - Never use compressed air to remove fibers from skin
- Inhalation**
- Remove to fresh air
 - If symptoms persist, call a physician
- Ingestion**
- Accidental ingestion of this material is unlikely
 - Rinse mouth with water and drink water to remove fibers from the throat
 - If this does occur watch person for several days to make sure intestinal blockage does not

- occur
- If symptoms persist, call a physician

Note to physicians

- Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

- None known

Specific hazards arising from the chemical

- None in particular

Hazardous combustion products

- Carbon monoxide
- Carbon dioxide (CO₂)
- Ammonia
- Other undetermined compounds could be released in small quantities

Explosion data

Sensitivity to Mechanical Impact • No information available

Sensitivity to Static Discharge • No information available

Protective equipment and precautions for firefighters

- As in any fire, wear self-contained breathing apparatus (positive-pressure), MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal precautions**

- Avoid contact with eyes and skin

Environmental precautions

- Prevent further leakage or spillage if safe to do so
- Prevent product from entering drains
- See Section 12 for ecotoxicology additional information

Methods and material for containment and cleaning up**Methods for containment**

- This material will settle out of air
- Cover with plastic sheet to prevent spreading

Methods for cleaning up

- Use personal protective equipment as required
- Avoid creating dust
- Clean contaminated surface thoroughly
- Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry
- Take up mechanically, placing in appropriate containers for disposal

7. HANDLING AND STORAGE

Precautions for safe handling

- Prevent and/or minimize dust formation
Do not breathe dust
Wear appropriate personal protective equipment in case of direct contact with the product

Conditions for safe storage, including any incompatibilities

- Storage Conditions**
- Keep product in packaging until use to minimize potential dust generation
 - Product should be kept dry and undercover
- Incompatible materials**
- None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL
Mineral Wool 65997-17-3	TWA: 1 fiber/cm ³ respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m ³ inhalable particulate matter	-	-

- Engineering Controls**
- Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits
Dust collection system must be used in transferring operations, cutting or other dust generating processes, such as using power tools
Vacuum or wet clean-up methods should be used

Individual protection measures, such as personal protective equipment

- Eye/face protection**
- Wear safety glasses with side shields (or goggles)
- Skin and body protection**
- Wear protective gloves
 - Wear long-sleeved shirt and long pants
- Respiratory protection**
- When workers are facing airborne particulates/dust concentrations above the exposure limits, they must use an appropriate certified respirator
 - A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended
- General Hygiene Considerations**
- Wash hands before breaks and immediately after handling products
 - Remove and wash contaminated clothing before re-use

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	Fibrous
Odor	No information available
Color	No information available
Melting point / freezing point	
Boiling point / boiling range	
Flash point	No information available
Water solubility	Insoluble in water
Autoignition temperature	
VOC:	0.0065

10. STABILITY AND REACTIVITY

- Reactivity**
- No data available



Chemical stability • Stable under recommended storage conditions

Possibility of Hazardous Reactions • None under normal processing

Conditions to avoid • Extremes of temperature and direct sunlight

Incompatible materials • None known based on information supplied

Hazardous Decomposition Products • None known based on information supplied

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness

Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
Urea 57-13-6	= 8471 mg/kg (Rat)	-	-
Ammonium sulphate 7783-20-2	= 2840 mg/kg (Rat)	-	-
Ammonia 7664-41-7	= 350 mg/kg (Rat)	-	= 2000 ppm (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

• This product is not expected to be hazardous for the environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Urea 57-13-6	-	16200 - 18300: 96 h Poecilia reticulata mg/L LC50	3910: 48 h Daphnia magna mg/L EC50 Static

Ammonium sulphate 7783-20-2	-	250: 96 h Brachydanio rerio mg/L LC50 480: 96 h Brachydanio rerio mg/L LC50 flow-through 420: 96 h Brachydanio rerio mg/L LC50 semi-static 100: 96 h Pimephales promelas mg/L LC50 123 - 128: 96 h Poecilia reticulata mg/L LC50 semi-static 126: 96 h Poecilia reticulata mg/L LC50 5.2 - 8.2: 96 h Oncorhynchus mykiss mg/L LC50 static 18: 96 h Cyprinus carpio mg/L LC50 32.2 - 41.9: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	14: 48 h Daphnia magna mg/L LC50
Ammonia 7664-41-7	-	0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 1.17: 96 h Lepomis macrochirus mg/L LC50 flow-through 1.5: 96 h Poecilia reticulata mg/L LC50 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 1.19: 96 h Poecilia reticulata mg/L LC50 static 5.9: 96 h Pimephales promelas mg/L LC50 static	25.4: 48 h Daphnia magna mg/L LC50

- Persistence and degradability** • No information available
- Bioaccumulation** • No information available
- Other adverse effects** • No information available

13. DISPOSAL CONSIDERATIONS

- Disposal of wastes** • Disposal should be in accordance with applicable regional, national and local laws and regulations
- Contaminated packaging** • Do not reuse container

14. TRANSPORT INFORMATION

- Note:** This material is not subject to regulation as a hazardous material for shipping
- DOT** Not regulated
- TDG** Not regulated
- MEX** Not regulated
- ICAO (air)** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
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Mineral Wool 65997-17-3	X	X		926-099-9		X	X	X	X	X
Urea 57-13-6	X	X		X		X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Ammonium sulphate - 7783-20-2	1.0
Ammonia - 7664-41-7	1.0

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ammonia 7664-41-7	100 lb	-	-	X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonia 7664-41-7	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Ammonium sulphate 7783-20-2	-	X	X
Ammonia 7664-41-7	X	X	X

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Creation Date 28-Jul-2016
Revision Date 13-Nov-2018
Revision Note No information available



Disclaimer

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use

End of Safety Data Sheet