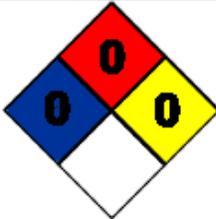


ISOMAG 45XCO, 55XCO, 70XCO, 175XCO

Revision Date: 2015-03-31

Revision Number: 4

Classification	PPE	NFPA	Transport Symbols
			

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product Name

ISOMAG 45XCO, 55XCO, 70XCO, 175XCO

Other means of identification

Commodity code

15008-ISOMAGXCO

Synonym

ISOMAG 45-55-70-175

Product description

High temperature insulating board.

Recommended use of the chemical and restrictions on use

Product use

High temperature industrial thermal insulation.

Uses advised against

Not fit for use in anything related to human consumption.

Details of the supplier

Pyrotek Inc
2400 Blvd Lemire
Drummondville QC CANADA
Phone (819) 477-0734
FAX: (819) 477-8755

Emergency Telephone Number

Chemtrec North America (800) 424-9300,
Chemtrec Outside North America +1 703 527 3887

2. Hazards Identification

Classification

This product is a manufactured article, not a substance nor a preparation.

Label Elements

Appearance Board

Physical State Solid

Odor Not Available

Hazards not otherwise classified (HNOC)

None known

Other information

3. Composition/information on Ingredients

Chemical Names	CAS-No	Weight %	GHS Classification
Forsterite	15118-03-3	15 - 35 %	-
Vermiculite	1318-00-9	30 - 50 %	-

Further information

This product does not contain any Crystalline Silica.

The exact percentage (concentration) of composition is not shown due to component range variations, withheld or trade secret ingredients.

4. First aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact Wash off immediately with soap and plenty of water. Consult a physician if necessary.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed.

Ingestion Not a normal route of exposure. IF SWALLOWED, Drink plenty of water. Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. Fire-fighting measures

Flammable properties

The product is not flammable.

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific hazards arising from the chemical

No information available.

Protective equipment and precautions for firefighters

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective equipment.

Environmental Precautions

No special environmental precautions required. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Shovel or sweep up.

7. Handling and Storage

Precautions for safe handling

Keep away from excessive moisture.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

Materials to avoid

None.

8. Exposure Controls/Personal Protection

Control parameters

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
Forsterite 15118-03-3 (15 - 35 %)	-	-	-	Not Listed
Vermiculite 1318-00-9 (30 - 50 %)	-	-	-	Not Listed

Component	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec

Forsterite 15118-03-3 (15 - 35 %)	Not Listed	Not Listed	Not Listed	Not Listed
Vermiculite 1318-00-9 (30 - 50 %)	Not Listed	Not Listed	Not Listed	Not Listed

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye Protection Safety glasses with side-shields.
Hand Protection Protective gloves.
Skin Protection None.
Respiratory protection In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.

General industrial hygiene practice

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Solid	Odor	Not Available
Appearance	Board	Odor threshold	Not applicable
Color	beige, orange		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	Not Available	
Melting/freezing point	No data available	
Boiling point/range	No data available	
Flash Point	Nonflammable	
Evaporation rate		
Flammability (solid, gas)		
Flammability Limits in Air		
Upper Flammability Limit	Not Applicable	
Lower Flammability Limit	Not Applicable	
Vapor pressure		
Vapor density		
Specific gravity	0.66 to 1.6	
Water solubility	Insoluble	
Solubility in other solvents		
Partition coefficient: n-octanol/water	Not Available	
Autoignition Temperature		
Decomposition temperature		
Viscosity, kinematic		
Viscosity, dynamic		
Explosive properties	Non explosive	

Other information

VOC content	VOC free
Density	No data available

10. Stability and Reactivity

Reactivity

Chemical stability

Stable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

None.

Incompatible materials

None.

Hazardous Decomposition Products

None known.

11. Toxicological Information

Information on likely routes of exposure

Eye Contact	Moderately irritating to the eyes.
Skin Contact	Mild skin irritation.
Ingestion	Not a normal route of exposure. Ingestion may cause gastrointestinal irritation.

Information on toxicological effects

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

Mutagenic effects	None known.
Aggravated Medical Conditions	Pre-existing skin and respiratory conditions, dermatitis, asthma or chronic lung disease, might be aggravated by exposure.
Target organ effects	Respiratory System.
Specific target organ systemic toxicity (single exposure)	None known.
Specific target organ systemic toxicity (repeated exposure)	None known.
Chronic Toxicity	None known

Numerical measures of toxicity

Product Information

mg/kg ppm mg/l

Component Information

Chemical Names	LD50 Oral	LD50 Dermal	LC50 Inhalation
Forsterite	-	-	-
Vermiculite	-	-	-

The table below indicates whether each agency has listed any ingredient as a carcinogen:

Component	IARC	NTP	OSHA	Mexico
Forsterite 15118-03-3 (15 - 35 %)	Not Listed	Not Listed	Not Listed	Not Listed
Vermiculite 1318-00-9 (30 - 50 %)	Not Listed	Not Listed	Not Listed	Not Listed

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

12. Ecological Information

Ecotoxicity

Component	Freshwater Algae Data	Freshwater Fish Species Data	Microtox Data	Water Flea Data
Forsterite 15118-03-3 (15 - 35 %)	No data available			No data available
Vermiculite 1318-00-9 (30 - 50 %)	No data available			No data available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in Environmental Media

No information available.

Ozone depletion potential (ODP)

Not applicable.

13. Disposal Considerations

Waste disposal methods

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Other information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Dispose of packings and packing waste in accordance with guideline 94/62/EC of the council and the European Parliament of December 20, 1994 as well as the packaging regulation 2004/12/EG of February 11, 2004 and Directive 2005/20/EC from March 9, 2005.

14. Transport information

DOT

Not regulated

15. Regulatory Information

International Inventories

Chemical Names	TSCA	EINECS	ELINCS	DSL	NDSL	PICCS	ENCS	China	AICS	KECL
Forsterite	-	X	-	-	-	-	-	-	-	X
Vermiculite	-	-	-	-	-	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 Commercial Chemical Substances/EU 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

16. Other Information

NFPA	Health 0	Flammability 0	Instability 0	Physical hazard -
WHMIS	Health 0	Flammability 0	Physical Hazards 0	Personal Protection X

Revision Date: 2015-03-31

Reason for Revision: Routine review with applicable updates to better reflect product.

Disclaimer:

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End of SDS