SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: Isover OPTIMA Systems

Synonyms: None

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Isover Optima systems accessories

Uses advised against: No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

Supplier: Saint-Gobain Construction Products (Ireland) Limited
Unit 4 Kilcarbery Business Park
Nangor Road
Dublin 22
D22 R2Y7
Ireland
Tel: +353 (0)1 629 8444

For further information, please contact
E-mail address: info@isover.ie

1.4. Emergency telephone number

Emergency telephone: ROI: 1800 744480
NI: 0845 3990159
(Monday - Friday, 9am - 5pm)

Emergency telephone - Contact number
Europe: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

Hazard statements: Not classified.
2.3. Other hazards
The product does not contain any substance(s) classified as PBT or vPvB. Cutting and handling may create dust. Product dust may be irritating to eyes, skin and respiratory system. Sharp edges and corners may cause cuts and abrasions.

Endocrine Disruptor Information
This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable

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

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate
No information available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice
Get medical attention if irritation or other symptoms occur. Take a copy of the Safety Data Sheet when going for medical treatment.

Inhalation
Not an expected route of exposure. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

Eye contact
Not an expected route of exposure. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact
Wash skin with soap and water. Get medical attention if irritation develops and persists.

Ingestion
Check for any blockages. IF SWALLOWED:. Rinse mouth thoroughly with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention immediately if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
May present a choking hazard. Harmful dust may be released during cutting or grinding process. Product dust may be irritating to eyes, skin and respiratory system.

Effects of Exposure
No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors
Treat symptomatically.

SECTION 5: Firefighting measures
5.1. Extinguishing media

Suitable Extinguishing Media
Dry chemical, CO2, alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear personal protective clothing (see section 8). Ensure adequate ventilation. Avoid breathing dust. Avoid contact with eyes. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wash thoroughly after handling.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions
Collect spillage. Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Use personal protective equipment as required. Clear up spills immediately and dispose of waste safely. Sweep up and shovel into suitable containers for disposal. Avoid generation of dust. Wash thoroughly after handling. Dispose of wastes in an approved waste disposal facility.

Prevention of secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections
See section 8 for more information See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Read carefully and follow all instructions. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Keep away from food, drink and animal feedingstuffs. Minimise dust generation and accumulation. Do not breathe dust. Appropriate cut-resistant PPE should be used when handling metal sections.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. When using do not eat, drink or smoke. Contaminated work clothing
should not be allowed out of the workplace. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions**
Store away from incompatible materials. Store in accordance with local regulations. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

7.3. Specific end use(s)

**Specific use(s)**
The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Exposure Limits**
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological occupational exposure limits**
This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

#### 8.2. Exposure controls

**Engineering controls**
Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection**
If there is a risk of contact: Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

**Hand protection**
Repeated or prolonged contact. During cutting, grinding or sanding operations, wear protective gloves if handling sharp or rough edges.

**Skin and body protection**
No special protective equipment required.

**Respiratory protection**
Harmful dust may be released during cutting or grinding process. Dust mask for dust formation. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Ensure all respiratory protective equipment is suitable for its intended use and is ‘CE’-marked. Check that the respirator fits tightly and the filter is changed regularly.

**General hygiene considerations**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Take off all contaminated clothing and wash it before reuse.

**Environmental exposure controls**
No information available.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance  Metal sections
Physical state  Solid
Colour  metallic
Odour  No information available
Odour threshold  No information available

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9.2. Other information

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity  None under normal use conditions.

10.2. Chemical stability
Stability  Stable under normal conditions. Stable under recommended storage conditions.

Explosion data
  Sensitivity to mechanical impact  None.
  Sensitivity to static discharge  None.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions  None under normal processing.

10.4. Conditions to avoid

Conditions to avoid  Dust formation. High temperature.

10.5. Incompatible materials

Incompatible materials  None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products  None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation  Harmful dust may be released during cutting or grinding process. Inhalation of dust in high concentration may cause irritation of respiratory system. Potential effects on health include metal fume fever, a condition similar to influenza.

Eye contact  Not an expected route of exposure. Dust contact with the eyes can lead to mechanical irritation.

Skin contact  Contact with dust can cause mechanical irritation or drying of the skin.

Ingestion  Not an expected route of exposure. May present a choking hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms  Product dust may be irritating to eyes, skin and respiratory system.

Acute toxicity

Numerical measures of toxicity  No information available.

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

Skin corrosion/irritation  Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation  Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation  Based on available data, the classification criteria are not met.

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

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

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

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

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

Aspiration hazard

Classification not applicable.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Based on available data, the classification criteria are not met. Not considered to be harmful to aquatic life.

12.2. Persistence and degradability

Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Bioaccumulation

No information available.

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

This mixture contains substances considered to be persistent, bio-accumulating and toxic (PBT).

12.6. Endocrine disrupting properties

Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging
Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IMDG

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not applicable
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
   Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments
   No information available

RID

14.1 UN number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not applicable
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
   Special Provisions None

ADR

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not applicable
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
   Special Provisions None

IATA

14.1 UN number or ID number Not regulated
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not applicable
14.5 Environmental hazards Not applicable
14.6 Special Precautions for Users
   Special Provisions None
   Note: None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
Authorisations and/or restrictions on use:
This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

International Inventories
Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report
No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend
ATE: Acute Toxicity Estimate
SVHC: Substances of Very High Concern for Authorisation:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value Skin designation
SCBA Self-contained breathing apparatus

Classification procedure
Classification according to Regulation (EC) No. 1272/2008 [CLP] Method Used
Acute oral toxicity Calculation method
Acute dermal toxicity Calculation method
Acute inhalation toxicity - gas Calculation method
Acute inhalation toxicity - vapour Calculation method
Acute inhalation toxicity - dust/mist Calculation method
Skin corrosion/irritation Calculation method
Serious eye damage/eye irritation Calculation method
Respiratory sensitisation Calculation method
Skin sensitisation Calculation method
Mutagenicity Calculation method
Carcinogenicity Calculation method
Reproductive toxicity Calculation method
STOT - single exposure Calculation method
STOT - repeated exposure Calculation method
Acute aquatic toxicity Calculation method
Chronic aquatic toxicity Calculation method
Aspiration hazard Calculation method
Ozone Calculation method
Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (A EGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Revision Note Document reviewed.


Disclaimer
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End of Safety Data Sheet