

Smartseal Rapid Thaw Safety Data Sheet (Version 3: Revised 25 October 2021)

1. IDENTIFICATION OF PRODUCT

Commercial Name: Smartseal Rapid Thaw
Product Code: ETHAW
Purpose of mixture: Granular De-icer

Name & Address of Supplier:

Smartseal UK Ltd, Unit 3, 65-67 Cutlers Estate, South Woodham Ferrers, Essex, CM3 5WA

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Emergency Phone: +44 (0) 1268 722500 (office hours only Mon – Fri 08:30 – 17:30)

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture according to (EC) No 1272/2008

Specific target organ toxicity – Single exposure – Respiratory tract irritation – Category 3

Eye irritation- Category 2

Skin irritation – Category 2

2.2 Label Elements

The product is labelled and classified according to the CLP regulation.

Signal Words: Warning

Hazard Pictograms:



Hazard Statements:

H335: May cause respiratory irritation

H315: Causes skin irritation

H319: Causes serious eye irritation

Prevention Statements:

P280: Wear protective gloves, clothing, eye protection, face protection.

P271: Use only outdoors or in well ventilated area.

P261: Avoid breathing dust, fume, gas, mist, vapours, spray.

P264: Wash thoroughly after handling.

3. COMPOSITION/INFORMATION ON INGREDIENTS: Smartseal Rapid Thaw

CHEMICAL NAME	%	CAS No.	Classification
Sodium chloride	<90	7647-14-5	Unclassified
Magnesium chloride	<3	7791-18-6	Unclassified
Calcium chloride	<6	7440-70-2	Unclassified
Chromatint Blue Y0572 powder	<2	n/a	Unclassified
Sodium tripolyphosphate	<15	7758-29-4	Unclassified
Zinc sulphate	<3	7446-29-4	Unclassified

4. RESPONSES & FIRST AID

4.1 Personal Care

P302+P352: IF ON SKIN: Wash with plenty of soap and water

P332+P313: If skin irritation occurs: Get medical advice.

P305+p351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P363: Wash contaminated clothing before re-use.

4.2 Storage

P403+P233: Store in well ventilated place. Keep container tightly closed.

P405: Store locked up.

4.3 Disposal Considerations

501: Dispose of this material and its container to hazardous or special waste collection point in accordance with local, regional, national and/or international regulation.

5. SPECIAL HAZARDS ARISING FROM THE MIXTURE

This substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex X111 of Regulation REACH.

6. FIRE FIGHTING MEASURES

6.1 Extinguishing Measures

Suitable extinguishing media: Foam, dry powder, carbon dioxide, water spray or sand.

Unsuitable extinguishing media: Heavy water stream

Surrounding fires: Use water spray or fog for cooling exposed containers.

Hazardous combustion product: Under fire, hazardous fumes will be present.

6.2 Special Procedures

Exercise caution when fighting any chemical fire. Avoid letting fire fighting water from entering environment.

7. ACCIDENTAL RELEASE MEASURES

For emergency responders: Equip clean-up crew with proper protection.

For non-emergency personnel: Evacuate unnecessary personnel.

8. HANDLING & STORAGE

8.1 Precautions for safe handling

Use only outdoors or in a well ventilated area. Wash thoroughly after handling.
Provide good ventilation in process area to prevent formation of vapour.
Avoid breathing dust, fume, gas, mist, vapours or spray.

8.2 Conditions for safe storage including any incompatibilities

Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.
Store away from strong bases, strong acids, sources of ignition and direct sunlight.

8.3 Specific end uses

De-icer

9. EXPOSURE CONTROL

Personal protection: Avoid all unnecessary exposure.
Respiratory protection: Wear approved mask.
Hand protection: Wear protective gloves.
Skin protection: Wear suitable protective clothing.
Eye protection: Chemical goggles or safety glasses.
Others: When using, do not eat or drink.
Occupational exposure limits: No data available.

10. PHYSICAL & CHEMICAL PROPERTIES

Physical state at 20°C	Solid
Colour:	Blue crystalline
Odor:	Odourless
pH value:	Not applicable
Melting point:	118°C
Solubility:	Soluble in water
Flammability & ignition temperature:	Not applicable
Explosive properties:	Not applicable
Oxidising properties:	No data available

11. STABILITY AND REACTIVITY

Reactivity: Not established
Chemical stability: Stable under recommended storage conditions.
Hazardous reactions: Not established
Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
Materials to avoid: Strong bases and strong acids.
Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

12. TOXICOLOGICAL INFORMATION

Based on available data, the product is not classified as toxic.
Corrosion: Based on available data, corrosion is significantly reduced by the presence of corrosion inhibitors when applied at the correct rate.

13. ECOLOGICAL INFORMATION

Toxicity information: Not classified as toxic.
Persistence: Biodegradable
Bio-accumulative: Not at the prescribed rate of use.
Mobility in soil: Low at the prescribed rate of use.

Results of PBT and vPvB assessment: The mixture does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XI 11 of Regulation REACH.

14. TRANSPORT INFORMATION

Land, sea and air transport: Not regulated.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the mixture: Ensure all national/local regulations are observed.

REACH Restrictions- Annex XV11: The components of this product are not subject to restrictions.

REACH Authorisation Annex XIV: The components of this product are not subject to authorisation.

EC 1272/2008 CLP: The components are unclassified