



Health and Safety.

'Thawrox Plus' Rocksalt

1. Identification of Substance

A pink, odourless, crystalline solid, when in granular form, is used for the de-icing of paths and drives etc.

2. Company

Hanson Building Products
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Rugby
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3. Composition

The principal ingredient of Thawrox Plus is Sodium Chloride.

Soluble Chlorides as NaCl	92.8%
Soluble Sulphate as CaSo4	1.7%
Insolubles	5.5%

4. Hazards Identification

4.1 Skin Contact

Dry salt and concentrated solutions will remove the natural greases from the skin resulting in dryness. Repeated and/or prolonged contact may cause irritation.

4.2 Inhalation

High concentrations of dust may be irritant to the respiratory tract.

4.3 Eye Contact

High concentration may cause irritation.

4.4 Ingestion

The swallowing of small amounts is unlikely to cause any adverse effects. Excessive doses may result in irritation of the gastro intestinal tract leading to nausea, vomiting and diarrhoea.

5. First Aid Measures

5.1 Skin Contact: Wash skin with water

5.2 Inhalation: Unlikely to be required, but if necessary, treat symptomatically.

5.3 Eye Contact: Immediately irrigate with eyewash solution or clean water holding the eyelids apart for at least 10 minutes. If symptoms develop, obtain medical attention.

5.4 Ingestion: Vomiting is likely. Wash out mouth with water, and give 200-300ml (half a pint) of water to drink. Obtain medical

attention especially if vomiting has not occurred.

5.5 Further Medical Treatment

Unlikely to be required, but if necessary treat symptomatically.

6. Fire Fighting Measures

Thawrox Plus is flammable and will not facilitate combustion with other materials.

7. Accidental Release Measures

Clean up spillages. Transfer to a container for disposal. Alternatively, drench spillage with water and wash to drain.

8. Handling and Storage

Avoid prolonged skin contact. Avoid inhalation of high concentrations of dust. Keep away from concentrated acids and common metals. Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially where a spark could prove hazardous. Keep containers dry.

9. Exposure Controls/ Personal Protection

Unlikely to cause harmful effects under normal conditions of handling and use.

9.1 Occupational Exposure Limits

UK EH40 as total dust: 10mg/m³ (8hr TWA)

As respirable dust: 5mg/m³ (8hr TWA)

9.2 Personal Protection

Wear suitable protective clothing.

10. Physical & Chemical Properties

Physical State	Granular
Odour	No odour
Colour	Pink
Boiling Point	1413°C
Melting Point	802°C
Density	1200kg/m ³
Vapour Pressure (mm Hg)	2.4 at 747°C
Solubility (water)	Readily Soluble

11. Stability and Reactivity

11.1 Hazardous Reactions

Reaction with concentrated acid will produce hydrogen chloride. Under wet conditions, will

corrode many common metals, particularly iron, aluminium and zinc

12. Environmental Information

96 hour LEC50 (Fish)	6750 mg/l
48 hour EC50 (Daphnia)	2024 mg/l
72hour IC50 (Algae)	3014 mg/l
Daphnia Subacute	1062 mg/l
Fish Subacute	433 mg/l
Log POW	0
BOD 5 day	0
COD	0
Biodegradation	0%
Levels of Degradation	
Organic Carbon	0%
Oxygen Depletion	0%
Carbon Dioxide Generation	0%
Sediment	
Sorbtion	0%
Desorbtion	0%
Aerobic Soil Biodegradation	0%
Earthworm Toxicity	1000mg/cm ²
Photo Degradability	Infinite OH
Biotic Degradability	
Photolysis	0%
Hydrolysis	0%
Oxidation	0%

13. Disposal Considerations

Dispose of empty containers or surplus product to a licensed landfill site. Keep out of reach of children.

14. Transport Information

Not classified as hazardous for transport.

15. Regulatory Information

Not classified as hazardous to users

15.1EEC Classification

Under the classification, Packaging and Labelling of dangerous Substances Regs, 1984, this material is not dangerous for supply or conveyance.

15.2Risk/Safety Phases

Risk Phrases:

- Contact with Thawrox Plus may cause irritation.
- Contact between Thawrox Plus and body fluids (e.g. sweat and eye fluids) may also cause irritation.

Safety Phrases:

- Wear Suitable protective clothing, gloves and eye/face protection
- In case of contact with eyes, rinse immediately with plenty of water.

- After contact with skin, wash immediately with plenty of clean water.
- Keep out of the reach of children.

16. Legislation and Other Information

- Health and Safety at Work Act 1974
- Control of Substances Hazardous to Health (Regulations) 1994
- HSE Guidance Note EH26 (Occupational Skin Diseases – Health and Safety Precautions) (HMSO1981)
- HSE Guidance Note EH40 (Occupational Exposure limits)
- Any authorised manual on first aid by St Johns/St Andrews/Red Cross.
- Manual Handling Operations regulations 1992.

The data and advice given above apply when the substance is used as intended. Use of the substance for other applications may give rise to risks not mentioned. The information contained within this safety data sheet does not constitute the owner's own assessment of risk as required by other health and safety legislation, i.e. COSHH 1994, MHSWR 1992.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken. Further copies of this data sheets may be obtained from your local sales office, or the address below.