



TERMARUST TR2200HS HRCSA

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 09/01/2021

Supersedes:17/072012

Version: 4.0

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

1.1. Product identifier

Substance name : TERMARUST TR2200HS HRCSA PENETRANT/SEALER

Product form : Liquid Low Viscosity Penetrant/Sealer

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

1.2.1. Relevant identified uses

Main use category : Anti-Corrosive Active Rust Mitigation Penetrant/Sealer.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

TERMARUST TECHNOLOGIES INC.

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ANJOU (MONTREAL) QUEBEC H1J 2M3

T 001 514-354-1376 - F 001 514-354-2799

info@termarust.com

1.4. Emergency telephone number

Emergency number : Termarust Technical Dept.: 001 514-354-1376 Canutec:001- 514-354-2799

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

No known toxicological effects from this product.

2.2. Label elements

No labeling applicable

2.3. Other hazards

Other hazards not contributing to the : Warning - substance not yet tested completely.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

classification

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : High Ratio Calcium Sulfonate

Substance type : Multi-constituent

Name	Product identifier	%	Classification according to Directive 67/548/EEC
TERMARUST TR2200HS HRCSA (Main constituent)		100	Not classified
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
TERMARUST TR2200HS HRCSA (Main constituent)		100	Not classified

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

3.2. Mixtures

Not applicable

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Remove person to uncontaminated area.
First-aid measures after inhalation	: Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Rinse immediately with plenty of water. Get medical advice/attention if you feel unwell.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth. Get medical advice/attention.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂). Powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Under fire conditions, hazardous fumes will be present. carbon and sulfur oxides CO_x/SO_x.
Reactivity : Stable under normal conditions.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not breathe fumes from fires or vapors from decomposition.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate area. Contain the spilled material by bunding.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate area.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite.
Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Wash away remainder with plenty of water.
Other information : Use suitable disposal containers.

6.4. Reference to other sections

See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Provide local exhaust or general room ventilation to minimize vapour concentrations.
Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Handle carefully. Avoid all unnecessary exposure. Do not breathe gas, fumes, vapour or spray.
Hygiene measures : Take off immediately all contaminated clothing. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep in a cool, well-ventilated place away from moisture. Store in tightly closed containers. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Hand protection	: Wear suitable gloves resistant to chemical penetration. nitrile rubber gloves.
Eye protection	: Wear tight fitting safety glasses or facial screen.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Provide good ventilation in process area to prevent formation of vapor. Where excessive vapor may result, wear approved mask. Gas mask with filter type A2B2.
Other information	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Homogeneous.
Colour	: Beige
Odour	: No data available
Odour threshold	: No data available
pH	: 10.5 to 11.5
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 300 °C
Flash point	: > 120 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ~ 1,000
Solubility	: Insoluble in water. Soluble in petroleum solvents.
Log Pow	: No data available
Log Kow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 20-40 seconds #4 Ford Cup ~ 1 Pa.s (25°C, Brookfield)
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

carbon and sulfur oxides COx/SOx.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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Skin corrosion/irritation : Not classified
May produce skin irritation.

Serious eye damage/irritation : Not classified
May cause eye irritation.

Respiratory or skin sensitization : Not classified
May cause irritation to the respiratory tract and to other mucous membranes.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects

12.2. Persistence and degradability

No additional information available

12.3. Bio accumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Other information : Warning - substance not yet tested completely.

SECTION 12: Ecological information

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

Waste treatment methods : Dispose of this material and its container at hazardous or special waste collection point. Do not empty into drains.

SECTION 14: Transport information

No dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

SDS EU (REACH Annex II) – Termarust Technologies

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.