

Safety Data Sheet
HydroSHIELD T2S Catalyst

SECTION 1: Identification

Product identifier

Product name **HydroSHIELD T2S Catalyst**
Product number 7899056
Brand HydroSHIELD

Recommended use of the chemical and restrictions on use

Catalyst to be used in conjunction with the HydroSHIELD Quick Set T2S to instant dry coating.

Supplier's details

Name Ace Roof Coatings, Inc.
Address 4821 Grisham Drive
Rowlett, TX 75088
United States
Telephone 972-864-0240
Fax 469-366-9219
email info@arcoat.com

Emergency phone number(s) **INFOTRAC - 800-535-5053**
OUTSIDE UNITED STATES CALL COLLECT 1-352-323-3500

SECTION 2: Hazard identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Pictogram



Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Component 1 (trade secret)

Concentration 75 - 85 % (Weight)
- Eye damage/irritation (chapter 3.3), Cat. 2
H319 Causes serious eye irritation

2. WATER

Concentration 5 - 15 % (Weight)
CAS no. 7732-18-5

3. Component 3 (trade secret)

Concentration 2 - 5 % (Weight)

4. Component 4 (trade secret)

Concentration 1 - 2 % (Weight)

Trade secret statement (OSHA 1910.1200(i))

Specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.
In case of skin contact	Wash skin with soap and water. Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Do not rub or scratch eyes. Bathe eye immediately with a large amount of water for at least 20 minutes. Seek medical attention if irritation occurs.
If swallowed	Rinse mouth with water. Consult a physician if you feel unwell.
Personal protective equipment for first-aid responders	Ensure medical personnel are aware of the material(s) involved.

Most important symptoms/effects, acute and delayed

Exposure to dust may aggravate pre-existing upper respiratory and lung diseases or conditions.

Indication of immediate medical attention and special treatment needed, if necessary

Provide general supportive measures and treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

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Specific hazards arising from the chemical

Not a fire hazard

Special protective actions for fire-fighters

Follow the general precautions indicated in the workplace. Wear self-contained breathing apparatus (SCBA) and full protective clothing. This material does not burn. Fight fire for other material that is burning. Avoid contact with this material during firefighting operations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard on some surfaces. Use appropriate safety equipment.

Environmental precautions

Avoid discharge to soil, ditches, sewers, waterways and/or groundwater.

Methods and materials for containment and cleaning up

Collect in suitable and properly labeled containers. Flush residue with plenty of water.

SECTION 7: Handling and storage

Precautions for safe handling

Heat developed during diluting or dissolving is very high. Use cool water when diluting or dissolving (temperature less than 80 °F). Avoid contact with eyes, skin, and clothing. Do not swallow. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store in a dry place. Protect from atmospheric moisture. Keep container tightly closed. Keep separated from incompatible substances.

Incompatible Materials:

Heat is generated when mixed with water or aqueous acids. Spattering and boiling can occur. Avoid contact with: bromide trifluoride, 2-furan percarboxylic acid because calcium chloride is incompatible with those substances.

Contact with zinc forms flammable hydrogen gas, which can be explosive. Catalyzes exothermic polymerization of methyl vinyl ether. Attacks metals in the presence of moisture, and may release flammable hydrogen gas.

Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromates.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields. For dusty operations or when handling solutions of the material, wear chemical goggles.

Skin protection

Wear clean, body-covering clothing.

Body protection

Use gloves chemically resistant to this material.

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Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Milky Liquid
Odor	Odorless
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	1422 °F
Initial boiling point and boiling range	No data available.
Flash point	Not Applicable
Evaporation rate	No data available.
Flammability (solid, gas)	Not Applicable
Upper/lower flammability limits	Not Applicable
Upper/lower explosive limits	Not Applicable
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Relative density	No data available.
Solubility(ies)	0.15 - 1 g/100 g (H2O)
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Viscosity	100-200 cps

SECTION 10: Stability and reactivity

Reactivity

Hygroscopic in solid form. Liberates large amounts of heat when dissolving in water or aqueous acids.

Chemical stability

Stable at normal temperatures and pressures.

Possibility of hazardous reactions

No data available.

Conditions to avoid

Contact with incompatible materials.

Incompatible materials

Avoid contact with: bromide trifluoride, 2-furan percarboxylic acid because Component 1 is incompatible with those substances. Contact with zinc forms flammable hydrogen gas, which can be explosive. Catalyzes exothermic polymerization of methyl vinyl ether. Attacks metals in the presence of moisture, and may release flammable

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hydrogen gas. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromates.

Hazardous decomposition products

Formed under fire conditions: hydrogen chloride gas, calcium oxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

1126 mg/kg - Oral Acute Toxicity Estimate
2637 mg/kg - Dermal Acute Toxicity Estimate
No Data - Inhalation

Skin corrosion/irritation

Brief contact is essentially non irritating to the skin. Prolonged contact may cause skin irritation, even a burn. Not classified as a corrosive to the skin according to DOT guidelines. May cause more severe response in skin is damp, abraded (scratched or cut), or covered by clothing, gloves, or footwear.

Serious eye damage/irritation

For solid: May cause slight eye irritation, mechanical injury only. Dust formation should be avoided, as dust can cause severe eye irritation with corneal injury.

Respiratory or skin sensitization

Dust may cause irritation to upper respiratory tract (nose and throat).

Carcinogenicity

This product is not classified as a carcinogen by IARC, ACGIH, NTP, or OSHA.

Summary of evaluation of the CMR properties

Not expected to be a hazard.

SECTION 12: Ecological information

Toxicity

The product components are not classified as environmentally hazardous.

Bioaccumulative potential

Not expected.

Mobility in soil

Not expected to be absorbed into the soil.

SECTION 13: Disposal considerations

Disposal of the product

Reuse or reprocess, if possible. All disposal practices must be in compliance with Federal, State, and local laws and regulations.

Disposal of contaminated packaging

Dispose of container in accordance with applicable local, regional, and/or international guidelines.

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Sewage disposal

Do not allow to enter drains.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

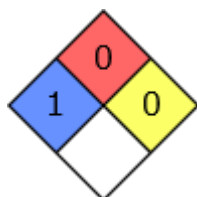
Chemical Safety Assessment

There is no regulation on this product as a whole.

HMIS Rating

HydroSHIELD T2S Catalyst	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.

Preparation information

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