



GRAND ACES VENTURES INC.
THE CONSTRUCTION CHEMICAL COMPANY

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Product Name : **GRANDTARD SR/LE**
Description : Water-based Concrete Surface Retarder

Company : **Grand Aces Ventures Inc.**
Address : Unit 3 & 4, 138 – 142, M.L. Quezon Avenue, Brgy. San Isidro, Angono, Rizal, Philippines
Telephone : (02) 8451-0160, 8571-6021, 8451-0915
Fax : (02) 8571-6023

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition : Hydrocarboxylic material(s), Water, Coloring

SECTION 3: HAZARDS IDENTIFICATION

Non-flammable. Maybe irritating to eyes, respiratory system and skin.

SECTION 4: FIRST AID MEASURES

No significant hazard.

Eyes : Wash eyes at once with plenty of water for several minutes.
Obtain medical attention immediately.
Skin : Wash thoroughly with soap and water or suitable skin cleanser.
Inhalation : No health hazard presented.
Ingestion : If swallowed, do NOT induce vomiting. Obtain medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint : Not Applicable
Lower Explosion Limit : Not Applicable
Upper Explosion Limit : Not Applicable
Auto Ignition Temperature : Not Applicable
Suitable Extinguishing Agent: Use water spray, Dry chemical, Carbon dioxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wear suitable protective clothing, gloves and rubber boots.
Environmental Precautions : Prevent entry into drains, sewer and water courses.
Action upon spillage : Absorb onto sand, earth or similar inert material and place in waste container for disposal.
Disposal method : Maybe disposed of in accordance with standard procedures and in compliance with government regulations.

SECTION 7: HANDLING AND STORAGE

- Handling : Keep hands away from eyes when handling material. Wash thoroughly after using particularly before eating or smoking.
- Storage : Store in a cool, dry place to prolong storage life. Containers which are opened must be carefully resealed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Control Measures : Ensure adequate ventilation

Personal protective equipment

- Respiratory protection : Wear respiratory protection if ventilation is inadequate.
- Hand protection : Chemical resistant protective gloves.
- Eye protection : Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.
- General safety and hygiene measure : Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Physical State : Liquid
- Color : Brown
- Odor : Slight/faint
- pH : 6 - 8
- Specific Gravity : 1.05 ± 0.01 @25°C
- Boiling point, °C : >100°C
- Flash point, °C : None
- Water Solubility : Soluble

SECTION 10: STABILITY AND REACTIVITY

- Stability : Stable
- Conditions to avoid : Avoid extreme heat
- Materials to avoid : Metal salts
- Hazardous Decomposition Products : carbon dioxide, carbon monoxide, hydrocarbons

SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects

- On Eyes : Irritating and may injure eye tissue if not removed promptly.
- On Skin : Unlikely to cause harm on brief or occasional contact.
- By Inhalation : Irritating to respiratory system.
- By Ingestion : May cause irritation of mouth, throat and digestive track
- Chronic : Not known.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Assessment	:	Little detailed information is available on the ecological effects of this product, but its overall environmental impact is not regarded as significant.
Mobility	:	Insoluble in water
Degradability	:	Not readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal must be made in accordance with local and national legislation.

Unused Product	:	Disposed of in an approved manner.
Packaging	:	The method of disposal must be acceptable to the local authority.

SECTION 14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

SECTION 15: REGULATORY INFORMATION

Risk Phrases

R 36/37/38	:	Irritating to eyes, respiratory system and skin.
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Safety Phrases

S 2	:	Keep out of the reach of children
S 7/8	:	Keep container tightly closed or sealed and dry
S 24/25	:	Avoid contact with skin and eyes
S 28.2	:	After contact with skin, wash immediately with plenty of soap and water
S 36/37/39	:	Wear suitable gloves and eye/face protection.

SECTION 16: OTHER INFORMATION

Also refer to the Safety Data Sheet(s) for information on other components of this product.

All data, statements and recommendations made herein are based upon information we believe to be reliable. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for his purpose before adoption. The product is not sold as suitable for any other application. The product should not be used other than for the stated application or applications. It is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.