



SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

PRODUCT

TSA Target Shotcrete Accelerator™

PRODUCT USE

Accelerates setting time of shotcrete.

Manufactured by Target Products Ltd. only in Canada

Founded and Based in Canada

8535 Eastlake Drive
Burnaby, BC V5A 4T7

Address For Correspondence:

5 Concourse Parkway, Suite 1900
Atlanta, GA 30328
(800) 282-5828

Emergency Response Telephone: INFOTRAC (800) 535-5053

SECTION 2 - HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Skin Corrosion – Category 1C

Serious Eye Damage – Category 1

Specific Target Organ Toxicity Repeat Exposure (Lungs) – Category 1

Specific Target Organ Toxicity Single Exposure (Respiratory) – Category 3

Carcinogen – Category 1A

Sensitization (Skin) – Category 1B

2.2a Signal word DANGER

2.2b Hazard Statements

Causes severe skin burns and serious eye damage.

May cause an allergic skin reaction.

Dust may cause respiratory irritation.

Prolonged or repeated inhalation of dust may cause lung damage or cancer.

2.2c Pictograms



2.2d Precautionary statements

Do not handle until all safety precautions have been read and understood.

WEAR IMPERVIOUS GLOVES, such as nitrile, eye protection & protective clothing.

Do not breathe dust or swallow.

Use only in well ventilated areas. Wear a CSA approved respirator (mask) such as N95 in poorly ventilated areas, when used for extended periods, when use is frequent, or when permissible exposure limits may be exceeded.

Do not eat, drink, or smoke when using this product.

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately wash body and contaminated clothing thoroughly after handling.

If inhaled: remove person to fresh air and keep comfortable for breathing.
If swallowed: rinse mouth; do NOT induce vomiting.
If significant skin irritation or rash occurs: get medical attention.
Immediately seek medical advice if symptoms are significant or persist.

Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/containers in accordance with all regulations.

2.3 Additional Information

2.3a HNOC – Hazards not otherwise classified: None

2.3b Unknown Acute Toxicity: None

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Amine*
Acid Salt *
Calcium Carbonate (471-34-1) *

*These ingredients and concentrations are part of HMIRA Exemption 12198, decision granted 16 December 2019. See Registration information in Section XV.

SECTION 4 – FIRST AID MEASURES

4.1 Description of the first-aid measures

General information:

After inhalation: Remove person to fresh air and keep comfortable for breathing.

After skin contact: Rinse skin with soap and water.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing: If conscious, have the victim drink plenty of water and call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated inhalation.

Skin contact: May cause mechanical skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion of large quantities may cause discomfort and/or distress, nausea or vomiting.

4.3 Indication of immediate medical attention and special treatment needed:

Immediately seek medical advice or attention if symptoms are significant or persist.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Flammability of the Product: Non-flammable and non-combustible

5.2a Suitable extinguishing agents: Treat for surrounding material. There is no unsuitable extinguishing media.

5.2b Special Protective Equipment and Precautions for Fire Fighters: Not available.

5.3 Special hazards arising from the substance or mixture: None

5.3a Products of Combustion: None

5.3b Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Wear personal protective equipment (See section VIII). Keep unprotected persons away.

6.2 Methods and material for containment and cleaning up:

Do not allow to enter sewers/ surface or ground water. Dispose of unwanted materials and containers properly in accordance with all regulations.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

7.1 Handling

Precautions for safe handling: Wear appropriate PPE (See section 8). Do not mix with other chemical products, except as indicated by the manufacturer. Good housekeeping is important to prevent accumulation of dust.

7.2 Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from strong mineral acids and water.

Further information about storage conditions: Keep out of the reach of children.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Components with limit values that require monitoring at the workplace:

COMPONENT

| | |
|-------------------|--------------------------------------------------------------------|
| Amine* | TLV 5 mg/m ³ |
| Acid Salt * | TWA 15 mg/m ³ (total); 5 mg/m ³ (respirable) |
| Calcium Carbonate | TWA 15 mg/m ³ (total); 5 mg/m ³ (respirable) |

* These ingredients and concentrations are part of HMIRA Exemption 12198. See Registration information in Section XV.

8.2 Exposure Controls

Use ventilation adequate to keep exposures below recommended exposure limits.

8.3 General protective and hygienic measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

8.3a Personal protective equipment

Protection of hands:

Wear gloves of adequate length to offer appropriate skin protection from incidental contact. General duty work gloves have been found to offer adequate protection for most intended uses.

Eye protection:

Wear approved eye protection such as properly fitted dust- proof chemical safety glasses.

Respiratory protection:

A NIOSH-approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional, following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

General Information

Appearance

Form: Granular Solid

Color: White

Odor: None

Odour Threshold:

Not available

Melting Point:

Not available

Freezing Point:

Not available

Evaporation Rate:

Not available

Flammability:

Not available

Upper Explosive Limit:

Not available

Lower Explosive Limit:

Not available

Vapour Density:

Not available

Relative Density:

Not available

Partition Coefficient – n-octanol/water:

Not available

| | |
|------------------------------------------------|------------------------------|
| Decomposition Temperature: | Not available |
| Viscosity: | Not applicable |
| pH-value at 20°C (68 °F): | 10-11 |
| Boiling point/Boiling range: | Not applicable |
| Flash point: | Not applicable |
| Auto igniting: | Product is not self-igniting |
| Vapor pressure at 21°C (70°F) | Not applicable |
| Density at 25°C (77 °F): | 2.5-2.8 |
| Solubility in / Miscibility with Water: | Soluble |
| VOC content: | 0 g/L VOC |

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with strong mineral acids and water.

10.2 Chemical stability

Stable under normal storage conditions. Keep in dry storage.

10.3 Possibility of hazardous reaction

No dangerous reaction known under conditions of normal use.

10.4 Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

10.5 Incompatible materials

Reacts with water to form polymerized silicates.

10.6 Hazardous Decomposition or By-products

None known

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Exposure Routes: Inhalation, skin contact, eye contact, or ingestion.

11.2 Symptoms related to physical/chemical/toxicological characteristics:

Inhalation: May cause respiratory tract irritation. Repeated inhalation can cause lung damage or cancer.

Skin contact: May cause mechanical skin irritation.

Eye Contact: Causes serious eye irritation

Ingestion: Ingestion of large quantities may cause discomfort and/or distress, nausea or vomiting.

11.3 Delayed, immediate and chronic effects of short-term and long-term exposure

Short Term

Skin Corrosion/Irritation: Not applicable

Serious Eye Damage/Irritation: Causes serious eye irritation

Respiratory Sensitization: Not applicable

Skin Sensitization: Not applicable

Specific Target Organ Toxicity-Single Exposure: Not applicable

Aspiration Hazard: Not applicable

Long Term

Carcinogenicity: Not applicable

Germ Cell Mutagenicity: Not applicable

Reproductive Toxicity: Not applicable

Specific Target Organ Toxicity- Repeated Exposure: Not applicable

Synergistic/Antagonistic Effects: Not applicable

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Other Adverse Effects

No further relevant information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Method

The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations.

13.2 Other disposal considerations**Uncleaned packaging**

Recommendation: Disposal must be made in accordance with local, state and federal regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14 – TRANSPORT INFORMATION

| | DOT (U.S.) | TDG (Canada) |
|--------------------------------------|-------------------|---------------------|
| UN-Number | Not Regulated | Not Regulated |
| UN proper shipping name | Not Regulated | Not Regulated |
| Transport Hazard Class(es) | Not Regulated | Not Regulated |
| Packing Group (if applicable) | Not Regulated | Not Regulated |

14.1 Environmental hazards:

Not applicable

14.2 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

14.3 Special precautions for user

Do not handle until all safety precautions have been read and understood.

SECTION 15 – OTHER REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

None

15.2 US Federal Information

Not Applicable

15.3 State Right to Know Laws

WARNING: This product can expose you to crystalline silica which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

15.4 Global Inventories

DSL All components of this product are on the Canadian DSL list.

TSCA No.: All components appear on the EPA TSCA inventory. All constituents are listed in the TSCA inventory.

15.5 Hazardous Materials Information Review Act : The composition of this product is CONFIDENTIAL BUSINESS INFORMATION, granted by Health Canada on **2019-12-16**, Registration Number: 12198.

SECTION 16 – OTHER INFORMATION

Last Updated: December 19, 2019

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

Prepared by Target Products, Ltd. Phone 1.800.282.5828 www.TargetProducts.com

End of SDS