

MATERIAL SAFETY DATA SHEET

FC645 SOLVENT NATURAL STONE COLOR ENHANCER SEALER HIGH GLOSS

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Solvent Natural Stone Color Enhancer Sealer High Gloss FC645

WHMIS Classification: D-2B Toxic (skin & eye irritant)
B-3 Combustible liquid

Chemical Family: Solvent Based Sealer

Product Use: Seal and protect honed and textured finished natural stone

Distributor: FCS Solutions Ltd.

Address: #71513, 12955-153 Avenue NW
Edmonton, AB T6V 0E3

Telephone: 1-780-487-3787, 1-877-288-3787

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS#	Percent	CL ₅₀ / DL ₅₀
Solvent naphtha medium aliphatic	64742-88-7	60 – 90	Oral (DL ₅₀): > 5000mg/kg (Rat)
Isobutyl methacrylate	97-86-9	10 – 20	N/A

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: This product is harmful if inhaled, absorbed through skin or swallowed. Mists and spray are irritating to eyes and respiratory tract. High vapor concentrations may cause drowsiness. Can be toxic if ingested and cause vomiting and headaches.

Potential Health Effects:

Eyes: Contact with liquid may cause irritation, redness and pain. Vapors are irritating to the eyes.

Inhalation: May cause irritation of mucous membranes, coughing and breathing difficulties.

Skin: Contact can cause skin irritation. May cause defatting, drying and cracking of the skin. Prolonged or repeated exposure may lead to dermatitis.

Skin absorption: May be absorbed through intact skin.

Ingestion: Causes irritation, a burning sensation of the mouth and throat and abdominal pain.

Other effects: May cause hearing loss, liver damage, kidney and central nervous system depressions such as: headaches, dizziness, drowsiness, nausea, vomiting and incoordination.

Carcinogenicity: Non-Hazardous by WHMIS – OSHA criteria. Not listed by IARC, NTP or ACGIH.

Teratogenicity, Mutagenicity, Reproductive effects: No known effects.

SECTION 4 – FIRST AID MEASURES

Eye: Immediately flush with warm running water for 15 minutes, holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin: Immediately flush exposed area with mild soap and water for at least 10 minutes. Remove contaminated clothing and launder before reuse. If irritation persists or if contact has been prolonged, obtain medical attention.

Inhalation: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do Not Induce Vomiting. If the person is fully conscious, rinse mouth with water and drink a glass of water. Obtain medical attention immediately. Never give anything by mouth if the victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability: Combustible liquid.

Flash Point: > 43°C.

Auto-ignition Temperature: >240°C.

Sensitivity to static discharge: Expected to be sensitive when vapours are present between the lower and upper explosive point.

Sensitivity to Mechanical Impact: Probably not sensitive.

Extinguishing Media: Water fog and dry chemical.

Special Fire Fighting Procedures: Evacuate personnel towards a safe area. Cool containers with flooding quality of water. Avoid breathing decomposition vapors. Use self-contained breathing apparatus and full body protection.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel to a source of ignition some distance away and then flash back to the point of product discharge.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Evacuate area. Ventilate area. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. Small spills may be absorbed with non-reactive absorbent (sand) and placed in suitable, covered, labeled containers. For large spills, provide diking or other appropriate containment to keep material from spreading. Prevent large spills from entering sewers or waterways. If diked material can be pumped, store recovered material in compatible drums for recovery or disposal. Observe all personal protection equipment recommendations.

SECTION 7 – HANDLING AND STORAGE

MATERIAL SAFETY DATA SHEET

Storage Requirements: Keep Out Of Reach Of Children. Keep container tightly closed. Store in a cool, dry place away from incompatible materials, sources of heat, sparks and flames. Do not store in areas where temperature exceeds 40°C.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering controls: General ventilation is usually adequate.

Respiratory protection: Not normally required if good ventilation is maintained. Breathing mask with organic vapor filter is recommended if product is used where ventilation is inadequate or if application is on a large surface. **Eye protection:** Use chemical safety glasses or full face shield.

Skin protection: Use impervious (rubber, nitrile) gloves. **Other protective clothing or equipment:** Eye bath, Safety shower, Full protective clothing. **Work Hygienic practices:** The usual precaution for the handling of chemicals must be observed.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid.

Solubility in water: No

Boiling point: 157°C - 202°C

% Volatile: > 90%

Odor: Hydrocarbon

PH: 7.85

Density: 0.79 – 0.81

Viscosity: >30mm² / sec

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable **Conditions to avoid:** Avoid contact with sparks and flames.

Incompatible Materials: Strong oxidizers, mineral acids, reducing agents and strong bases.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon and irritating gases.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Irritation: There is no test data on this product. Based on the information on the ingredients, (see section 2) this product may cause irritation to the eyes and skin upon contact. LD 50 (Oral, Rat) > 5,000 mg/kg.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: May be harmful for aquatic life.

Environmental Fate: N/A No known food chain concentration potential. Potential danger for domestic and irrigation water supplies, lakes, streams, ponds and rivers **VOC Volatile Organic Compound:** 90%

SECTION 13 – DISPOSAL CONSIDERATIONS

Review federal, provincial, state or local government requirements for solvent based product disposal prior to disposal.

SECTION 14 – TRANSPORT INFORMATION

Canadian T.D.G.: PETROLEUM DISTILLATES N.O.S. (Mineral spirit), Class 3, UN1268, PG III

Exemption: Not regulated in container size less than 450 litres (100 gallons US)

U.S. Department of Transportation (Road or rail): PETROLEUM DISTILLATES N.O.S. (Mineral spirit), Class 3, UN1268, PG III

Exemption: Not regulated in container size less than 450 litres (100 gallons US)

IATA Air Transportation: PETROLEUM DISTILLATES N.O.S. (Mineral spirit), Class 3, UN1268, PG III

SECTION 15 – REGULATORY INFORMATION

Occupational Health & Safety Regulations:

WHIMS Classification: D-2B Toxic (skin & eye irritant)
B-3 Combustible liquid

Environmental Regulations Lists:

All ingredients in this product are listed with the USA-EPA .

Toxic Substance Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory.

Canadian Non-Domestic Substance List (NDSL): All ingredients are listed.

SECTION 16 – OTHER INFORMATION

Shipping containers:

Metal drums, Polyethylene or metal pails and bottles

Date: January 1, 2018

Disclaimer: As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, including, but not limited to merchantability or fitness for a particular use, is made concerning this product. The user assumes all risk of use or handling whether or not in accordance with any directions or suggestions of the supplier. Seller shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our products, from breach of any warranty or from any other cause, the exclusive remedy against the seller being to require replacement or repair of defective goods.