

Section 1- Identification

Product Name: Tile and Grout Cleaner FC305

Product Use: Deep cleaning grout lines and ceramic tiles

Non-recommended use(s): Do not use on marble and calcareous stones

Manufacturer: FCS Solutions Ltd.

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Emergency spills: CANUTEC: 613-996-6666 / Emergency contact number in Canada & USA

Section 2- Hazard Identification

Hazard Classification: D-2B Eye irritant

This product is a clear liquid. Contains organic salts.

Signal words: CAUTION



Hazard Statements:

Eyes: May cause severe irritation.

Skin: May cause mild irritation.

Non Corrosive to Skin: (as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemicals, Number 404 <Acute Dermal Irritation – Corrosion> .

Skin absorption: Prolonged or repeated exposure can cause irritation and drying.

Ingestion: Can be harmful if ingested. May cause nausea, vomiting and gastrointestinal irritation.

Inhalation: Mist may cause mild nasal irritation. Product has a very low vapor pressure at room temperature and vapors are not expected to present an inhalation hazard under ambient conditions.

Product under Health Canada rules for Consumer Chemicals and Containers Regulations 2001 of the Hazardous Products Act.

Precautionary Statements:

Prevention: **MAY IRRITATE EYES**

Keep out of reach of children. Do not get in eyes. Do not get on skin or clothing. Do not drink. Wearing of gloves, safety glasses and long sleeve clothing is recommended. .

Emergency Overview: **FIRST AID TREATMENT**

Contains organic salts. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. Drink 3 to 4 glasses of water. If in eyes, rinse with water for 20 minutes with eye lids open. If on skin, rinse well with water.

**Section 3- COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS#	Percent
Organic salts	Confidential	5-10%
Alcohol ethoxylate	68991-48-0	1-5%

Section 4- FIRST AID MEASURES

Eye:	Immediately flush with warm running water for 20 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 15 minutes. If irritation persists or if contact has been prolonged, obtain medical attention. Remove contaminated clothing and launder before reuse.
Inhalation:	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion:	<u>Do Not Induce Vomiting.</u> If the person is fully conscious, rinse mouth with water and drink 3 to 4 glasses of water to dilute. 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: Not flammable.

Flash Point: (oF, oC, PMCC) None.

Auto-ignition Temperature: (oF, oC): Not applicable.

Flame propagation or Burning Rate of Solid Materials: Not applicable.

Sensitivity to static discharge: Not applicable.

Sensitivity to Mechanical Impact: Not applicable.

Extinguishing Media: Water fog, alcohol foam and dry chemical.

Unusual Fire and Explosion Hazards: None

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Section 6- ACCIDENTAL RELEASE MEASURES**Personal precautions**

Use personal protective equipment. Including but not limiting: safety glasses, rubber or neoprene gloves and long sleeve clothing. Keep people away from and upwind of spill and/or leak. Material can create slippery conditions.

Environmental conditions

Prevent large spills from entering sewers or waterways.

Methods for cleaning-up

Observe all personal protection equipment recommendations. Ventilate area if odor is unaccommodating.

Collect for disposal. Clean up remaining materials from spill with suitable absorbent. Small spills may be absorbed with non-reactive absorbent (e.g. sand, earth, litter absorbent) and placed in suitable, covered, labeled containers. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in compatible drums for recovery or disposal.

Section 7- HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not inhale vapors.

Storage

Keep Out Of Reach Of Children.

Storage temperature: 10 – 25°C (50 – 80°F)

Keep away from freezing. Product should be stored in a cool, dry place, away from sun light exposure and incompatible materials. In optimal storage conditions, product shelf life in un-opened bottle is 2 – 3 years from production date. In optimal storage conditions, product shelf life of remaining content once bottle was opened is a maximum of 2 years from production date.

Section 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines

Ingredients	Regulation	Value
N/A		

Exposure controls

Engineering controls: General ventilation is usually adequate.

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.

Individual protective measures

Eye protection: Wear safety glasses or full face shield.

Hand protection: Wear rubber or nitrile gloves.

Skin protection: Wear long sleeve clothing.

Respiratory protection: Normally not required if good ventilation is maintained. Avoid breathing vapor and/or mist.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.

Color: Clear

Odor: Mild citrus

Solubility in water: Soluble (100% in water)

Boiling point: 100oC / 212oF

Freezing point: < -10oC PH: 1.2 – 1.4

Density: 1.04 VOC

content (g/l): 0 g/l

SECTION 10 – STABILITY AND REACTIVITY

Hazardous reactions: none known.

Stable Incompatible Materials: Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorite (e.g. chlorine bleach, sulfides or cyanides) will liberate toxic gases. Contact with alkaline materials (e.g. aqua ammonia) will generate heat.

Conditions to avoid: Heating above 110°C results in exothermic decomposition with release of CO₂ gas. Contact with strong oxidizers.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon oxides CO and CO₂. Nitrogen oxides. Hydrogen may be released upon contact with certain metals.

SECTION 11 – TOXICOLOGICAL INFORMATION

Prolonged / Repeated Exposure:

Eye: May cause severe irritation to the eyes upon contact.

Skin: May cause drying, defatting and dermatitis.

Acute skin irritation / corrosion test: This product was found to be not corrosive to the skin after 4 hours of direct skin contact.

Inhalation: Vapors are not likely to cause respiratory irritation upon contact. Mist may cause mild nasal irritation.

Ingestion: May be harmful if ingested. May cause nausea, cramps, vomiting and gastrointestinal irritation.

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

Teratogenicity, Mutagenicity, Reproductive effects: No data available.

Toxicity - oral: LD 50 (rat) > 2000 mg/kg

Toxicity - dermal: N/A

Toxicity - inhalation: N/A

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: LC50 (96hr, fish) >70.7mg/L (rainbow trout).

Persistence and Biodegradability: All components are readily biodegradable as per OECD 301E.

Bio accumulative Potential: N/A

Other Adverse Effects: None known.

SECTION 13 – DISPOSAL CONSIDERATIONS

Review federal, provincial, state or local government requirements prior to disposal.

Environmental precautions:

CAUTION Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**SECTION 14 – TRANSPORT INFORMATION**

UN Number: NOT CLASSIFIED AS DANGEROUS GOODS

UN Proper shipping name:

Hazard class:

Packing Group:

U.S. Department of Transportation (Road or rail): Not Regulated.

Canadian T.D.G.: Not Regulated

IMO Water Transportation: Not Regulated.

IATA Air Transportation: Not Regulated.

Shipping containers:

Polyethylene drums

Polyethylene pails and bottles

SECTION 15 – REGULATORY INFORMATION

WHMIS: Class D – Division 2B

Environmental Regulations Lists:

SARA: Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of the ingredients are listed.

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.

California Proposition 65: This product is not known to contain any chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION

Date of preparation: April 7, 2021

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Prepared by: FCS Solutions Ltd.com