



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

Page 1

DuPont(TM) StoneTech(R) Professional Advanced Grout Sealer (Aerosol)
6724CR Revised 31-AUG-2007

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Company Identification

MANUFACTURER/DISTRIBUTOR

StoneTech Professional Inc.
370 North Widget Lane
Suite 200
Walnut Creek, CA 94598

PHONE NUMBERS

Product Information : 800-441-7515/Outside U.S.: 302-774-1000
Transport Emergency : CHEMTREC: 800-424-9300/Outside U.S.:
703-527-3887
Medical Emergency : 800-441-3637/Outside U.S.: 302-774-1000

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
Aliphatic Hydrocarbons	68551-16-6	60-70
Butane	106-97-8	<20
Propane	74-98-6	<20
Fluorinated Copolymer		<5
n-Butyl Acetate	123-86-4	<5

HAZARDS IDENTIFICATION

Potential Health Effects

Skin contact may cause skin irritation with discomfort or rash.

Eye contact may cause eye irritation with discomfort, tearing, or blurring of vision.

Inhalation may cause nonspecific discomfort such as nausea, headache, dizziness, weakness, unconsciousness and irritation of the upper respiratory passages.

Ingestion may irritate the stomach and intestines. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.

(HAZARDS IDENTIFICATION - Continued)

Prolonged inhalation of spray or mist may cause nasal, throat, or lung irritation. Prolonged inhalation of respirable particles may be toxic to the lungs. Symptoms may be modest initially, followed in hours by severe shortness of breath requiring prompt medical attention. May be harmful if swallowed.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Activated charcoal mixture may be beneficial. Suspend 50 g activated charcoal in 400 mL water and mix well. Administer 5 mL/kg, or 350 mL for an average adult.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : <0 F (<-18 C) (Propellant)
Method : Closed Cup.
Flammable limits in Air, % by Volume
LEL : 1.8 %
UEL : 9.5 %

Extremely flammable.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Wear self-contained breathing apparatus (SCBA) and full protective equipment. Cool tank/container with water spray.

Material is highly volatile and readily gives off vapors which may travel along the ground and be ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharges, or other ignition sources distant from the handling point.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Handling equipment must be grounded to prevent sparking.

HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Wash clothing after use.

Avoid prolonged inhalation of vapors or spray mist. Use good ventilation while using this product. Open windows and doors or use other means to ensure fresh air entry during application and drying. Intentional misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

(HANDLING AND STORAGE - Continued)

Handling (Physical Aspects)

Keep away from heat, sparks and flames. Use of non-sparking and explosion-proof equipment may be necessary depending on type of operation.

Storage

Keep away from heat, sparks, and flames, or temperatures exceeding 120 F. Closed containers may explode when exposed to extreme heat.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation to avoid prolonged exposure to mists and vapors.

Personal Protective Equipment

EYE/FACE PROTECTION:

Wear chemical splash goggles or safety glasses.

RESPIRATORY PROTECTION:

Wear NIOSH-approved respiratory protection for frequent or prolonged use. A combination HEPA/organic vapor cartridge respirator is recommended where needed. Follow manufacturer's instructions for use.

PROTECTIVE CLOTHING:

Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

Exposure Guidelines

Applicable Exposure Limits

Aliphatic Hydrocarbons

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
AEL * (DuPont)	: 100 ppm, 8 Hr. TWA

Butane

PEL (OSHA)	: None Established
AEL * (DuPont)	: None Established

Propane

(Applicable Exposure Limits - Continued)

PEL (OSHA) : 1,000 ppm, 1,800 mg/m³, 8 Hr. TWA
AEL * (DuPont) : None Established

n-Butyl Acetate

PEL (OSHA) : 150 ppm, 710 mg/m³, 8 Hr. TWA
TLV (ACGIH) : 150 ppm, 8 Hr. TWA
AEL * (DuPont) : None Established

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

Exposure Guideline Comments

No AEL has been established for this product. Other products with fluorinated material components have an AEL of 0.1 mg/m³ to 1 mg/m³ (8 hour TWA) for respirable size aerosol particles.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Vapor Pressure: ~50 psi at 20 C
Volatile: 99%
Solubility: Insoluble
Odor: Ester
Form: Aerosol Spray
Color: Colorless

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Avoid flames, welding arcs, potential ignition sources, or other high temperature sources which induce thermal decomposition.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Thermal decomposition may produce carbon monoxide, carbon dioxide and hydrogen fluoride.

(STABILITY AND REACTIVITY - Continued)

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

Inhalation 4-hr ALC is greater than 51 mg/m³ in rats; No clinical signs or other pathology observed at 51 mg/m³.

Aliphatic Hydrocarbon:

Oral LD50:	34.6 g/kg in rats
Dermal LD50:	15.4 g/kg in rats
Inhalation 6 hour LC50:	>1277 ppm in rats

Fluorinated Copolymer:

Oral LD50:	>2,000 mg/kg in rats
------------	----------------------

Butyl Acetate:

Inhalation 4 hour LC50:	9200 ppm in rats
Skin absorption ALD:	>17,652 mg/kg in rabbits
Oral LD50:	14,130 mg/kg in rats

Butane:

Inhalation 4 hour LC50:	658 mg/L in rats
-------------------------	------------------

Aliphatic Hydrocarbon is not expected to be an eye or skin irritant.

Fluorinated Copolymer is slight eye irritant but is not a skin irritant in rabbits.

Butyl Acetate is a skin and eye irritant, and is untested for animal sensitization. Toxic effects described in animals from single exposures by inhalation include eye and nose irritation, and narcosis. Repeated exposures caused decreased body weight gain, weakness, and slight irritation to eyes and mucous membranes. Long term exposures resulted in degenerative changes in the liver and altered liver enzymes. Administration of the compound in single doses caused narcosis in rabbits. Repeated ingestion exposures with rats resulted in altered liver enzymes. No animal test reports are available to define carcinogenic, or reproductive hazards. Tests in animals demonstrate developmental toxicity, but only at maternally toxic dose levels. The compound does not produce genetic damage in bacterial or mammalian cell cultures or animals. It has not been tested for heritable genetic damage.

(TOXICOLOGICAL INFORMATION - Continued)

Butane is untested for skin or eye irritancy, and for animal sensitization. A single inhalation exposure to large amounts of butane produced central nervous system depression, anesthesia, and depression of the heart with lowered blood pressure. Repeated exposure produced lowered respiratory rate and narcosis. No animal test reports are available to define carcinogenic, developmental, or reproductive hazards. This compound does not produce genetic damage in bacterial cell cultures but has not been tested in animals.

Propane is untested for skin and eye irritancy, and is untested for animal sensitization. Toxicity in animals occurring only with inhalation exposures at high concentrations (10% or greater) are cardiac sensitization, analgesia, and hypotension. Concentrations up to 43% caused no anaesthesia. Sniffing, chewing, and irregular breathing was observed in guinea pigs exposed to concentrations of 2.4-5.5% for 5 to 90 minutes, but no adverse signs or pathologic changes were noted during a 10 day post recovery period. No animal test reports are available to define carcinogenic, developmental, or reproductive hazards. Tests in bacterial cell cultures demonstrate no mutagenic activity.

ECOLOGICAL INFORMATION

Ecotoxicological Information

Aquatic Toxicity:

Fluorinated Copolymer:

48 hour EC50, Daphnia magna : 56 mg/L.

Butyl Acetate:

96 hour LC50, Bluegill sunfish: 100 mg/L.

Butane:

96 hour LC50, > 1,000 mg/L.

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

TRANSPORTATION INFORMATION

Shipping Information

DOT - for aerosols with a capacity not exceeding 1 L (34 fl. oz.)

Proper Shipping Name,: Consumer Commodity
Hazard Class,: ORM-D
UN Number,: N/A
Packing Group,: N/A
Label,: None

IMO - for aerosols with a capacity not exceeding 1000 mL

Proper Shipping Name,: Aerosols
Hazard Class,: 2.1
UN Number,: 1950
Packing Group,: N/A
Label,: Flammable Gas
Special Instructions,: Limitd Quantity

IATA - for aerosols not exceeding 500mL (17 fl. oz.) capacity

Proper Shipping Name,: Consumer Commodity
Hazard Class,: 9
UN Number,: ID8000
Packing Group,: N/A
Label,: Miscellaneous

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : Listed.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : Yes
Reactivity : No
Pressure : Yes

OTHER INFORMATION

NFPA, NPCA-HMIS

NPCA-HMIS Rating
Health : 2
Flammability : 4
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS