

MATERIAL SAFETY DATA SHEET

Date Prepared: 01-01-02

MSDS No. G052001-8

Section I Material Identification And Use

Product/Tradename: FAST-PR

NFPA Designation: Health 2 Flammability 1 Reactivity 0
0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Manufacturer's Name: Caled Chemical Emergency Telephone: (Chemtrec) 1-800-424-9300
Address: 26 Hanes Drive, Wayne, NJ 07470 Working Hours: 973-696-7575

Chemical Name: Trichloroethylene Chemical Family: Halogenated Hydrocarbons

Formula: Chcl=Ccl2 Material Use: Spotter

Section II Hazardous Ingredients

Table with 5 columns: Hazardous Ingredients, CAS Number, Approx. Percent, Exposure Limits, Other. Row 1: Trichloroethylene, 000079-01, 95, 50 ppm OSHA 8 Hours TWA, 200 ppm OSHA 15 Min. STEL

Section III Physical Data

Physical State: Liquid | Odor And Appearance: Chlorinated Solvent Odor, Clear Colorless Liquid

Specific Gravity| Vapor Pressure(Mm)| Vapor Density(Air=1)| Ph
1.465 | 100 | 4.54 | Nd

Evaporation Rate | Boiling Point(F)| % Volatile(Vol) | Water Solubility
(Ethyl Ether=1) 0.28 | 1286-190 | 100 | Insoluble

Section IV Fire And Explosion Hazard Data

Flash Point(F) Method Flammable Limits In Air, % By Volume
None (Tag Closed Cup) Upper: 52% Lower: 7.8%

Extinguishing Media: Water /Fog Foam Carbon Dioxide Dry Chemical

Special Fire Fighting Procedures:
Use Protective Clothing And Self Contained Breathing Apparatus. Not Considered Flammable Under Normal Use.

FAST-PR

Unusual Fire And Explosion Hazards

None Known

Section V Reactivity Data

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Stability | Unstable Conditions To Avoid:
X Stable None Known

Incompatibility (Materials To Avoid)

Water Will Lead To Slow Hydrolysis To Form Acid Products.

Hazardous Decomposition Products

Hydrogene Chloride And Possible Traces Of Phosgene.

Hazardous | May Occur Conditions To Avoid
Polymerization| X Will Not Occur None Known
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Section VI Health And Toxicological Data

Route Of Entry

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Skin Contact: X Skin Absorption: Eye Contact: X
Inhalation Acute: X Inhalation Chronic: Ingestion: X

Effects Of Acute Exposure

Skin And Eyes: Slight To Moderate Irritation May Occur, Possibly Severe In Eyes. Defatting And Cracking Of The Skin On Prolonged Contact Or Repeated Exposure.

Ingestion: May Cause Gastric Upset And Mucousal Irritation. Trichloroethylene Is Toxic By Ingestion To Cause The Same Effects As Inhalation.

Inhalation: Anesthetic Effect May Occur In Concentrations Of 500-1000ppm. Prolonged Breathing Of High Vapors May Cause Unconsciousness And Stoppage Of Breathing. Large Amounts Can Sensitize Heart To Epinephrine, Induce Heart Arythmutias And Cause Heart Stoppage.

Effects Of Chronic Exposure

Prolonged Exposure The OSHA Permissible Limit May Result In Liver And Kidney Damage.

Trichloroethylene Has Been Extensively Studied For Chronic Effects In Animals. While There Are Studies In Which Tumors Were Induced In Mice, There Is No Evidence That Trichloroethylene Poses A Carconogenic Risk To Humans. Trichloroethylene Is Listed In Group 3 By IARC And Is Not Listed By NTP Or OSHA

Carcinogenicity, Reproductive, Teratogenicity, Mutagenicity

No Component Is Listed As A Carcinogen By IARC, OSHA Or NTP. Not Mutagenic. No Reproductive Or Teratogenic Properties Are Known Or Expected

FAST-PR

Emergency And First Aid Procedures

Skin And Eyes: Remove Affected Clothing And Flush With Water.

Inhalation: Remove To Fresh Air, Administer Artificial Respiration If Necessary. Get Medical Attention.

Ingestion: Do Not Induce Vomiting, Get Medical Attention.

Section VII Spill Or Leak Information

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Steps To Be Taken If Material Is Released Or Spilled

Wear Proper Protective Equipment. Wipe Up Or Mop Small Spills. Remove Out Doors. Large Spills Should Be Dammed And Transferred To Closed Containers. Keep Out Of Water Supply.

Waste Disposal Methods

Solvent Can Be Reclaimed. Dispose Of In Accordance With Federal, State And Local Regulations.

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Section VIII Special Protection Information

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Respiratory Protection (Specify)

Self Contained Breathing Equipment In High Vapor Concentrations.

Ventilation (Mechanical - General, Local, Special)

Mechanical-General: For Aerosol Production Local: Required At Area Of Application.

Gloves (Specify): Neoprene

Eye (Specify): Goggles

Other Protective Equipment

Eye Wash Station

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Section IX Special Precautions

Precautions To Be Taken In Handling And Storing

Keep Containers Closed And Away From Heat, Sparks, And Open Flames.

Special Shipping Information

Dot: Trichloroethylene Cls. 1, Un 1710, Pg Iii

Un: Cls 6.1, Un 1710, Pg III, Imdg Page 6273

Sara Title III, Section 313 Release Reporting And Other Covered Regulations

Trichloroethylene Is Listed By Sara Title III Section 313. Not Regulated For Water And Ground Transportation Unless Equal Or Exceeds 100lbs.Per Package. Regulated For Air Transport Per Above Dot Info.

Na = Not Applicable Nd = No Data Available Ne = Not Established < = Less Than

> = Greater Than

Each Customer Is Encouraged To Study This MSDS Carefully To Become Aware Of And Understand The Associated Material Hazards. Proper Reference Works Should Be Consulted, As Necessary, To Use And

Understand The Contained Data. This MSDS Should Be Properly Routed To All Individuals Who Use Or May Come In Contact With This Product. Understand and Follow All Pertinent Employee And Community Right To Know Regulations.

We Believe That The Statements, Technical Information And Recommendations Contained Herein Are Reliable, But Given Without Warrantee Or Guarantee Of Any Kind, Express Or Implied, And We Assume No Responsibility For Any Loss, Damage, Or Expense, Direct Or Consequential, Arising From Their Use.