

FRITZ HESSELBEIN CHEMISCHE FABRIK -- SUPERSOLUTION (GLUE FOR PATCH KIT) --
4220-01-053-5282

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Product Identification
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Product ID: SUPERSOLUTION (GLUE FOR PATCH KIT)
MSDS Date: 01/01/1987
FSC: 4220
NIIN: 01-053-5282
MSDS Number: BJQXT
=== Responsible Party ===
Company Name: FRITZ HESSELBEIN CHEMISCHE FABRIK
Address: ROBERT KOCH STRASSE 7, D-2000
City: NORDERSTADT 2
Country: GM
Info Phone Num: 040-5240074
Emergency Phone Num: 040-5240074
CAGE: 49772

==== Contractor Identification ====

Company Name: FRITZ HESSELBEIN CHEMISCHE FABRIK
Address: ROBERT KOCH STRASSE 7, D-2000
Box: City: NORDERSTADT 2
Country: GM
Phone: 040-5240074
CAGE: 49772

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Composition/Information on Ingredients
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Ingred Name: TRICHLOROETHYLENE (SARA III)
CAS: 79-01-6
RTECS #: KX4550000
Fraction by Wt: 95.1%
Other REC Limits: NONE SPECIFIED
OSHA PEL: 100 PPM/100 STEL
ACGIH TLV: 50 PPM/100, A5 STEL; 93
EPA Rpt Qty: 1
00 LBS
DOT Rpt Qty: 100 LBS

Ingred Name: BUTANE
CAS: 106-97-8
RTECS #: EJ4200000
Fraction by Wt: 3.9%
Other REC Limits: NONE SPECIFIED
OSHA PEL: 800 PPM
ACGIH TLV: 800 PPM; 9192

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Hazards Identification
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Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: ACUTE: MAY CAUSE EYE & SKIN
IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CENTRAL NERVOUS
SYSTEM DEP

RESSANT. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE. CHRONIC:LI VER AND KIDNEY DAMAGE. ASPIRATION HAZARD DO NOT INDUCE VOMITING. PROBABLE CANCER HAZARD.

Explanation of Carcinogenicity:THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY NTP, IARC, OSHA

Effects of Overexposure:INCOORDINATION AND IMPAIRED JUDGMENT MAY OCCUR AT VAPOR EXPOSURES FROM 500-1000 PPM. DIZZINESS, DROWSINESS, AND GENERAL ANESTHETIC EFFECTS MAY OCCUR IN RANGES OF 1000 PPM AND

HIGHER.

Medical Cond Aggravated by Exposure:EYE/SKIN/RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL AT TENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Autoignition Temp:Autoignition Temp Text:770F

Lower Limits:8

Upper Limits:10.5

Extinguishing Media:USE CARBON DIOXIDE

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:

COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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===== Accidental Release Measures =====

Spill Release Procedures:SMALL SPILL: WIPE UP WITH RAGS OR TOWELS. LARGE SPILLS: WEAR NIOSH APPROVED RESPIRATOR. VENTILATE AREA. DIKE TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE WILL EVAPORATE QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY.

Neutralizing Agent:NONE

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===== Handling and Storage =====

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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:DO NOT USE WITH PRESSURIZED ALUMINUM SYSTEMS. READ AND FOLLOW DIRECTIONS ON LABEL. DO NOT REUSE CONTAINERS. AVOID WELDING, BRAZING, DRILLING, SOLDERING AND OTHER HIGH TEMPERATURE AND SPARK CONDITIONS AROUND THIS PRODUCT.

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===== Exposure Controls/Personal Protection =====
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Respiratory Protection:IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF ALLOWABLE VAPOR LEVELS ARE EXCEEDED.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV.

Protective Gloves:NEOPRENE, PVA GLOVES RECOMMENDED.

Eye Protection:USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATH VAPORS OR MIST.

Supplemental Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES. STORE IN COOL, DRY PLACE.

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===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:190F,88C

Vapor Pres:800 @68F

Vapor Density:4.46 @68F

Spec Gravity:1.43

Evaporation Rate & Reference:3.8 (NO REFERENCE)

Solubility in Water:INSOLUBLE

Appear

ance and Odor:GLUE WITH CHLOROFORM ODOR

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACTIVE METALS

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, TRICHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE AND PHOSGENE FUMES.

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===== Disposal Considerations =====

Waste Disposal Methods:CLEAN-UP DEBRIS

WILL LIKELY BE A LAND-BANNED

HAZARDOUS WASTE. DISPOSAL WILL BE IN ACCORD WITH APPLICABLE REGULATIONS.

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