

FEL-PRO INC DIV OF FELT PRODUCTS MFG CO -- C5-A AEROSOL #51003 -- 8030-00-155-6444  
===== Product Identification =====

Product ID:C5-A AEROSOL #51003

MSDS Date:04/05/1993

FSC:8030

NIIN:00-155-6444

MSDS Number: CCMNZ

=== Responsible Party ===

Company Name:FEL-PRO INC DIV OF FELT PRODUCTS MFG CO

Address:7450 N MCCORMICK

City:SKOKIE

State:IL

ZIP:60076-4046

Country:US

Info Phone Num:708-674-7700

Emerg

ency Phone Num:708-674-7700

Preparer's Name:CATHY GRIFFITH

CAGE:73165

=== Contractor Identification ===

Company Name:FEL-PRO INC DIV OF FELT PRODUCTS MFG CO

Address:7450 N MCCORMICK

Box:1103

City:SKOKIE

State:IL

ZIP:60076-4046

Country:US

Phone:847-674-7700 OR 312-761-4500

CAGE:73165

===== Composition/Information on Ingredients =====

Ingred Name:GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: 10.0%

Other REC Limits:UK TLV 10 MG/M3

OSHA PEL:2.5 MG/M3

ACGIH TLV

:2.5 MG/M3

Ingred Name:HYDROTREATED PETROLEUM DISTILLATES

CAS:64742-52-5

RTECS #:PY8035000

Fraction by Wt: 10.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:STEL 10 MG/M3

Ingred Name:CALCIUM HYDROXIDE

CAS:1305-62-0

RTECS #:EW2800000

Fraction by Wt: 5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:STEL 5 MG/M3

ACGIH TLV:STEL 5 MG/M3

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 10.0%

Other REC Limits:UK 1 MG/M3

OSHA PEL:1 MG/M3

ACGIH TLV

:1 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

Fraction by Wt: 20.0%

Other REC Limits:UK 500 PPM

OSHA PEL:400 PPM/STEL 500

ACGIH TLV:400 PPM/STEL 500

Ingred Name:HEXANE (N-HEXANE) (CERCLA)

CAS:110-54-3

RTECS #:MN9275000

Fraction by Wt: 20.0%

Other REC Limits:UK 50 PPM

OSHA PEL:50 PPM

ACGIH TLV:50 PPM

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ISOBUTANE

CAS:75-28-5

RTECS #:TZ4300000

Fraction by Wt: 20.0%

Other REC Limits:UK 600 PPM

AC

GIH TLV:ASPHYXIAN

Ingred Name:PROPANE

CAS:74-98-6

RTECS #:TX2275000

Fraction by Wt: 15.0%

Other REC Limits:UK 1000 PPM

OSHA PEL:1000 PPM

ACGIH TLV:ASPHYXIAN

Ingred Name:SILICA, CRYSTALLINE - QUARTZ

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 1.0%

Other REC Limits:UK 0.1 MG/M3

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES

OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EYE: SEVERE IRRIT.CHRONIC

CONTACT CAUSES PERMANENT CORNEAL INJURY. SKIN:SEVERE IRRIT.CHRONIC

CONTACT MAY CAUSE CHEM BURNS. INHAL:MAY CAUSE RESP

IRRIT/INTOXICATION W/HEADACHE/DIZZINESS/NAUSEA.ASP IRATION INTO

LUNGS MAY CAUSE SEVERE INJURY/DEATH.MAY CAUSE METALLIC/SWEET

TASTE.IRRIT OF PHARYNX/POSSIBLE ULCERATION W/\*

Explanation of Carcinogenicity:FREE RESPIRABLE SILICA LISTED AS

SUSPECTED HUMAN CARCINOGEN BY NTP/IARC.

Effects

of Overexposure:\*PERFORATION OF NASAL SEPTUM. INGEST:MAY CAUSE

IRRIT/BURNS TO MOUTH/THROAT/STOMACH.NAUSEA/ABDOMINAL PAIN/POSSIBLE

COLLAPSE. CHRONIC:LIVER/CNS TARGETED BY SOLVENT.DELIBERATE/REPEATED

INHAL OF CONCENTRA TE MAY CAUSE PERMANENT NEURAL INJURY.PERIPHERAL

POLYNEUROPATHY/CNS DAMAGE/PULMINARY

FIBROSIS/EMPHYSEMA/PNEUMOCONIOSIS/\*\*

Medical Cond Aggravated by Exposure:NK \*\*DILICOSIS/OTHER SERIOUS

DELAYED LUNG INJURY.

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

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First Aid:EYE: IMMEDIATELY FLUSH W/CLEAN WATER >15 MIN. GET IMMEDIATE MEDICAL AID. SKIN: REMOVE CONTAMINATION/FLUSH W/WATER. THEN WASH THOROUGHLY W/SOAP & WATER. REMOVE/WASH CONTAMINATED CLOTHES. GET MEDICAL AID IF IRRITATION DEVELOPS/PERSISTS. INHALATION: GET FRESH AIR. IF TROUBLE BREATHING GIVE OXYGEN. IF NOT BREATHING - ARTIFICIAL RESPIRATION. GET MEDICAL AID. INGESTION: DON'T INDUCE VOMITING. GIVE WATER/MILK IF CONSCIOUS/NOT DROWSY.GET IMMEDIATE MEDICAL AID

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

Flash Point:NA  
Lower Limits:1.0  
Upper Limits:9.5  
Extinguishing Media:ALCOHOL FOAM, CO2, DRY CHEMICAL, FOAM, WATER FOG.  
Unusual Fire/Explosion Hazard:CLSD CONTAINERS MAY RUPTURE/EXPLODE W/PRESSURE BUILD-UP/EXPOSURE TO EXTREME HEAT.VAPORS >AIR.MAY TRAVEL ALONG GROUND/REIGNITE AT DISTANT SOURCE/FLASHBACK.

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

Spill Release Procedures:REMOVE IGNITION SOURCE. USE APPROPRIATE PROTECTIVE EQUIPMENT DURING CLEAN-UP. ABSORB WITH INERT MATERIAL (CLAY). SWEEP/SHOVEL INTO LOOSELY COVERED WASTE CONTAINER. REMOVE TO APPROPRIATE WASTE AREA. WASH WITH SOAP & WATER.

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

Handling and Storage Precautions:AVOID SKIN/EYE CONTACT/INHALING VAPORS. DON'T TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY. STORE ALL CONTAINERS AWAY FROM HEAT/SPARKS/OPEN FLAME/IGNITION SOURCE  
Other Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM CHILDREN. USE PROPER GROUNDING PROCEDURES. EMPTY CONTAINERS MAY RETAIN RESIDUE. DON'T PUNCTURE/CUT/WELD/BRAZE/SOLDER/DRILL/GRIND ON/NEAR EMPTY CONTAINER. OBSERVE ALL LABEL PRECAUTIONS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF TLV/PEL EXCEEDED, USED IN POORLY VENTILATED SPACE, OR IF INHALATION EFFECTS OCCUR, USE NIOSH APPROVED VAPOR CARTRIDGE RESPIRATOR ACCORDING TO APPLICABLE HEALTH/SAFETY REGULATIONS & MANUFACTURER RECOMMENDATIONS

RECOMMENDATIONS.

Ventilation:LOCAL EXHAUST NEEDED TO CONTROL VAPOR OR DUST LEVELS TO BELOW LOWEST COMPONENT TLV.

Protective Gloves:NITRILE, VITON

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:CLEAN CLOTHING TO COVER SKIN. AVAILABLE EYEWASH/SAFETY SHOWER.

Work Hygienic Practices:FOLLOW GENERAL INDUSTRIAL SAFETY PRECAUTIONS. DON'T SMOKE/EAT DURING USE. USE W/ADEQUATE VENTILATION.

Supplemental Safety and Health

DON'T REUSE EMPTY CONTAINERS W/O COMMERCIAL CLEANING/RECONDITIONING. FOLLOW ALL LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTY.

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

Boiling Pt:B.P. Text:-44 TO 825F

Vapor Density:>AIR

Spec Gravity:1.14

Viscosity:LOW

Evaporation Rate & Reference:FASTER THAN BUAC

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COPPER LIQUID, SOLVENT ODOR

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

Stability Indicator/Materials to Avoid:YES

NK

Stability Condition to Avoid:PROLONGED EXPOSURE TO HEAT.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE, LOCAL REGULATIONS. INCINERATION PREFERRED.

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