

SUPERIOR FLUX AND MFG CO -- SUPERIOR NO. 99 -- 3439-00-069-5815

===== Product Identification =====

Product ID: SUPERIOR NO. 99

MSDS Date: 11/11/1998

FSC: 3439

NIIN: 00-069-5815

Status Code: A

MSDS Number: CLFQY

=== Responsible Party ===

Company Name: SUPERIOR FLUX AND MFG CO

Address: 6615 PARKLAND BLVD

City: SOLON (FORMALLY CLEVELAND)

State: OH

ZIP: 44139

Country: US

Info Phone Num: 440-349-3000

Emergency Ph

one Num: (800) 424-9300

Chemtrec Ind/Phone: (800) 424-9300

CAGE: 87618

=== Contractor Identification ===

Company Name: CMAX INC

Address: 6127 PERIMETER PKY

Box: 11647

City: MONTGOMERY

State: AL

ZIP: 36111

Country: US

Phone: 334-613-0500/ FAX: 2922

Contract Num: SP0400-01-V-1706

CAGE: 2Y223

Company Name: SUPERIOR FLUX AND MFG CO

Address: 6615 PARKLAND BLVD

City: SOLON (FORMALLY CLEVELAND)

State: OH

ZIP: 44139

Country: US

Phone: 440-349-3000

CAGE: 87618

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

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Ingred Name:ISO-PROPANOL  
CAS:67-63-0  
RTECS #:NT8050000  
Minumum % Wt:20.  
Maxumum % Wt:40.  
OSHA PEL:980 MG/M3;400 PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:METHANOL  
CAS:67-56-1  
RTECS #:PC1400000  
Minumum % Wt:8.  
Maxumum % Wt:15.  
OSHA PEL:260 MG/M3;200 PPM  
ACGIH TLV:262 MG/M3;200 PPM  
ACGIH STEL:328 MG/M3;250 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:MINERAL SPIRITS  
CAS:8032-32-4  
RTECS #:OI6180000  
Minumum % Wt:3.  
Maxumum % Wt:9.  
OSHA PEL:500 PPM  
  
ACGIH TLV:1370 MG/M3;300 PPM

Ingred Name:CTAB  
CAS:57-09-0  
RTECS #:BQ7875000  
Minumum % Wt:.1  
Maxumum % Wt:3.

==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:SYMPTOMS OF OVEREXPOSURE: DIZZINESS,  
BLURRED VISION, HEADACHE, IRRITATION OR MUCOUS MEMBRANES, LOSS OF  
APPETITE, AND INABILITY TO CONCENTRATE. CAN BE FATAL IF SWALLOWED.  
Explanation of Carcinogenicity:CHEMICAL LISTED AS A

CARCINOGEN OR

POTENTIAL CARCINOGEN: NONE

Effects of Overexposure: DIZZINESS, BLURRED VISION, HEADACHE, IRRITATION OF MUCOUS MEMBRANES, LOSS OF APPETITE, AND INABILITY TO CONCENTRATE. CAN BE FATAL IF SWALLOWED.

Medical Cond Aggravated by Exposure: SKIN CONDITIONS, KIDNEY OR LIVER DISEASES, OR CENTRAL NERVOUS SYSTEM.

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

First Aid: EYES: FLUSH WITH WATER FOR 10 MINUTES. CALL A PHYSICIAN.  
SKIN: WASH THOROUGHLY WITH WATER. INHALATION: REMOVE TO FRESH AIR OR ADMINISTER OXYGEN. CALL PHYSICIAN. INGESTION: IF PATIENT IS FULLY CONSCIOUS, GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point: =18.3C, 65.F  
Autoignition Temp: =398.9C, 750.F  
Lower Limits: 2  
Upper Limits: 12  
Extinguishing Media: DRY CHEMICAL, CO2.  
Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING, INCLUDING NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard: FLAMMABLE, DO NOT MIX WITH STRONG OXIDIZING OR DEHYDRATING AGENTS. DO NOT STORE IN PRESENCE OF OXIDIZING AGENTS.

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

Spill Release Procedures: ABSORB WITH SAWDUST AND REMOVE IN ACCORDANCE TO EPA REGULATIONS.

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

Handling and Storage Precautions: STORE IN PLASTIC CONTAINERS IN COOL AREA. DO

NOT STORE IN GLASS CONTAINERS. HANDLING PRECAUTIONS: USE  
SAFE PRECAUTIONARY PRACTICES.

Other Precautions:KEEP AWAY FROM ELECTRICAL SPARKS, HEAT, OPEN FLAME,  
OR OXIDIZING AGENTS.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR.  
Ventilation:LOCAL EXHAUST: YES. MECHANICAL (GENERAL): EXPLOSION PROOF.  
Protective Gloves:RECOMMENDED, NIOSH APPROVED  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:RUBBER APRON IS RECO  
MMENDED.  
Supplemental Safety and Health

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

HCC:F2  
Boiling Pt:=82.C, 179.6F  
Melt/Freeze Pt:=-88.5C, -127.3F  
Vapor Pres:33 MM HG.  
Vapor Density:2.07(AIR=1  
Spec Gravity:0.8900 (WATER = 1)  
Evaporation Rate & Reference:2.88 (BUTYL ACETATE= 1)  
Solubility in Water:UNLIMITED  
Appearance and Odor:BROWN LIQUID; ALCOHOL ODOR.  
Percent Volatiles by Volume:65.1%

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

Stabilit  
y Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS.  
Stability Condition to Avoid:PRODUCT IS STABLE.  
Hazardous Decomposition Products:ALIPHATIC ALDEHYDES.

===== Toxicological Information =====

Toxicological Information:CHEMICAL IS NOT LISTED AS A CARCINOGEN OR  
POTENTIAL CARCINOGEN. OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): 200  
PPM. ACGIH THRESHOLD LIMIT VALUE (TLV): 200 PPM.

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

Waste Disposal M

ethods:DISPOSE OF IN ACCORDANCE WITH EPA REGULATIONS.

===== MSDS Transport Information =====

Transport Information:D.O.T. PROPER SHIPPING NAME: FLAMMABLE LIQUID,  
N.O.S. (CONTAINS ISOPROPANOL AND MINERAL SPIRITS); HAZARD CLASS: 3;  
UN 1993; PKG I I; LABEL REQUIRED INFORMATION: FLAMMABLE LIQUID.

===== Other Information =====

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rmulated for use by elements of the Department  
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