

FRYS METALS INC (FORMER ALPHA METALS) -- 711-35 ML FLUX -- 3439-00-752-8728

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

Product ID:711-35 ML FLUX

MSDS Date:02/19/1992

FSC:3439

NIIN:00-752-8728

Status Code:A

MSDS Number: CKCWK

=== Responsible Party ===

Company Name:FRYS METALS INC (FORMER ALPHA METALS)

Address:600 ROUTE 440

City:JERSEY CITY

State:NJ

ZIP:07304

Country:US

Info Phone Num:201-434-6778

Emergenc

y Phone Num:201-434-7508

Chemtrec Ind/Phone:(800)424-9300

CAGE:96613

=== Contractor Identification ===

Company Name:FRYS METALS INC (FORMER ALPHA METALS)

Address:600 ROUTE 440

Box:City:JERSEY CITY

State:NJ

ZIP:07304

Country:US

Phone:201-434-6778

CAGE:96613

Company Name:FRYS METALS INC. FORMER KENCO INDUSTRIES INC,  
ALPHARETTA,GA.

Address:200 TECHNOLOGY DR

Box:City:ALPHARETTA

State:GA

ZIP:30005-3926

Country:US

Phone:770-475-6100

Contract Num:SP0490-95-M-GA60

CAGE:56115

===== Composi

tion/Information on Ingredients =====

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)  
CAS:67-63-0  
RTECS #:NT8050000  
Minumum % Wt:25.  
Maxumum % Wt:50.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM/500STEL;9495

Ingred Name:SEC-BUTYL ALCOHOL (SARA 313)  
CAS:78-92-2  
RTECS #:EO1750000  
Minumum % Wt:5.  
Maxumum % Wt:10.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:150 PPM  
ACGIH TLV:100 PPM; 9495

Ingred Name:ETHYL ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Minumum % Wt:5.  
Ma  
xumum % Wt:10.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9495

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE NASAL  
IRRITATION AND CNS EFFECTS. INGESTION MAY CAUSE GI TRACT IRRITATION  
AND CNS EFFECTS. CONTACT MAY CAUSE EYE IRRITATION. CHRONIC:  
PROLONGED OR REPEATED  
EXPSOURE MAY CAU SE SKIN DEFATTING AND  
DERMATITIS.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALED-NASAL IRRITATION, DIZZINESS, NAUSEA,  
HEADACHE. INGESTED-GI TRACT IRRITATION, NAUSEA, VOMITNG, DIARRHEA.  
SKIN-DEFATTING, DERMATITIS. EYES-SEVERE IRRITATION, TEARING,  
BLURRED VISION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid: EYES-FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. GET MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-CONTACT POISON CONTROL CENTER AND OBTAIN IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

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Fire Fighting Measures  
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Flash Point Method: TCC  
Flash Point: =17.8C, 64.F  
Lower Limits: 2.0  
Upper Limits: 12.0  
Extinguishing Media: CARBON DIOXIDE OR DRY CHEMICAL.  
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.  
Unusual Fire/Explosion Hazard: NONE.

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Accidental Release Measures  
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Spill Release Procedures: ELIMINATE ALL SOURCES OF IGNITION. WEAR PROPER PERSONAL PROTECTIVE CLOTHING/EQUIPMENT. STOP AND CONTAIN SPILL.  
ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions: ABSERVE PRECAUTIONS FOR A FLAMMABLE LIQUID. STORE IN A COOL, DRY PLACE AWAY FROM SOURCES OF IGNITION AND STRONG OXIDIZING AGENTS.  
Other Precautions: STORE AND USE IN AN AREA WITH ADEQUATE VENTILATION.  
READ ALL CONTAINER LABELING. AVOID THE USE OF BRASS DRUM SPIGOTS. USE POLYETHYLENE, POLYPROPYLENE, TEFLON OR STAINLESS STEEL. FOR INDUSTRIAL USE ONLY! KEEP OUT OF REACH OF CHILDREN!

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Exposure Controls/Personal Protection  
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Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE

WITH 29 CFR 1910.13 4 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER, NEOPRENE, PLASTIC.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

EMPTY CONTAINER PRECAUTIONS: SINCE EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES (VAPOR, LIQUID OR SOLID) ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED. DO NOT TAKE INTERNALLY!

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

HCC:F2

Boiling Pt:=82.C, 179.6F

Vapor Pres:33

Vapor Density:2.1

Spec Gravity:0.875

Evaporation Rate & Reference:2.8 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR, AMBER LIQUID; NONRESIDUAL ODOR.

Percent

Volatiles by Volume:65

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HEAT, SPRAKS, AND OPEN FLAMES.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DESTROY BY APPROVED INCINERATION OR DEPOSIT IN AN APPROVED LA

NDFILL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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