

AMERICAN CHEMICAL & FLUX PRODUCTS DIV OF MARCO COMPANY -- AMS 3414, ALUMINUM
BRAZING WELDING FLUX -- 3439-00-255-4576

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

Product ID:AMS 3414, ALUMINUM BRAZING WELDING FLUX

MSDS Date:06/01/1998

FSC:3439

NIIN:00-255-4576

Status Code:A

MSDS Number: CKTSV

=== Responsible Party ===

Company Name:AMERICAN CHEMICAL & FLUX PRODUCTS DIV OF MARCO COMPANY

Address:5722 UNION PA

CIFIC AVE

City:LOS ANGELES

State:CA

ZIP:90022

Country:US

Info Phone Num:323-723-0713/0711

Emergency Phone Num:323-723-0711/0713

Resp. Party Other MSDS Num.:AMS 3414 FLUX

CAGE:TO469

=== Contractor Identification ===

Company Name:AMERICAN CHEMICAL & FLUX PRODUCTS DIV OF MARCO COMPANY

Address:5722 UNION PACIFIC AVE

City:LOS ANGELES

State:CA

ZIP:90022

Country:US

Phone:323-723-0713/0711

CAGE:TO469

Company Name:JO-JON INC

Address:360 FREEPORT BLVD SUITE 1 & 2

Box:UNKNOW

City:SPARKS

State:NV

ZIP:89431

Country:US

Phone:702-356-6988

Contract Num:SP0490-00-D-4064

CAGE:009J0

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

Ingred Name:SODIUM CHLORIDE

CAS:7647-14-5

RTECS #:VZ4725000

Ingred Name:POTASSIUM CHLORIDE

CAS:7447-40-7

RTECS #:TS8050000

Ingred Name:LITHIUM CHLORIDE

CAS:7447-41-8

RTECS #:OJ5950000

Ingred Name:ZINC CHLORIDE

ed Name:LITHIUM FLUORIDE

CAS:7789-24-4

RTECS #:OJ6125000

ACGIH TLV:2.5 MG/M3 AS F

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

Health Hazards Acute and Chronic:SHORT-TERM OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS: DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES, TIGHTNESS IN CHEST, FEVER AND ALLERGIC REACTIONS. LONG- TERM CHRONIC OVEREXPOSURE TO WELDING FUMES MAY LEAD TO SIDEROSIS (IRON DEPOSIT IN LUNGS) AND IS

BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION.

Effects of Overexposure:SHORT-TERM OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS: DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES, TIGHTNESS IN CHEST, FEVER AND ALLERGIC REACTIONS. LONG- TERM CHRONIC OVEREXPOSURE TO WELDING FUMES MAY LEAD TO SIDEROSIS (IRON DEPOSIT IN LUNGS) AND IS BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION.

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

First Aid:REMOVE TO FRESH AIR, OBTAIN MEDICAL ATTENTION. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY THE AMERICAN RED CROSS. METAL HALIDE FUMES PRODUCED-CAN CAUSE IRRITATION TO RESPIRATORY SYSTEM. CAN IRRITATE E YES AND SKIN (WASH THOROUGHLY WITH WATER FOR 15 MINUTES).

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

Unusual Fire/Explosion Hazard:NONE

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

Re
spiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN A CONFINED SPACE WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW THE RECOMMENDED EXPOSURE LIMIT.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH, TO KEEP FUMES AND GASES FROM WORKER'S BREATHING ZONE AND GENERAL AREA.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS; SCREENS AND FLASH GOGGLES

Other Prote

ctive Equipment:WEAR HAND, HEAD, AND BODY PROTECTION WHICH
HELP TO PREVENT INJURY FROM RADIATION, SPARKS, AND ELECTRICAL
SHOCK. SEE ANSI Z49.1. AT A MINIMUM THIS INCLUDES WELDER'S GLOVES
AND A PROTECTIVE FACE SHIELD,**

Supplemental Safety and Health

**OTHER ** AND MAY INCLUDE ARM PROTECTORS, APRONS, HATS, SHOULDER
PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING. TRAIN THE WELDER
NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WOR
K AND GROUND. OTHER P/N:
AMS 3414 FLUX REV C.

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

HCC:C1

Spec Gravity:2.16@72F

Solubility in Water:93(BOILING)

Appearance and Odor:WHITE POWDER WITH NO CHARACTERISTIC ODOR

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE UNLESS OTHERWISE SPECIFIED

Hazardous Decomposition Products:METAL HALIDE FUMES. GASEOUS REACTION
PRODUCTS MAY INCLUDE CARBON DIOX
IDE, OZONE AND NITROGEN OXIDES MAY
BE FORMED BY THE RADIATION FROM THE ARC.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER OR
LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER. IN FULL COMPLIANCE
WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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

Transport Information:D

OT HAZARDOUS CLASSIFICATION: CLASS 8, UN 2331,
III.

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