

HANDY AND HARMAN -- EASY-FLO 3 -- 3439-00-262-4191

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

Product ID:EASY-FLO 3
MSDS Date:01/13/1993
FSC:3439
NIIN:00-262-4191
MSDS Number: BDPYP
=== Responsible Party ===
Company Name:HANDY AND HARMAN
Address:850 THIRD AVENUE
City:NEW YORK
State:NY
ZIP:10022-6222
Country:US
Info Phone Num:212-752-3400
Emergency Phone Num:212-752-3400
CAGE:25166
=== Contractor Identifi
cation ===
Company Name:HANDY & HARMAN
Address:850 THIRD AVENUE
Box:City:NEW YORK
State:NY
ZIP:10022
Country:US
Phone:212-752-3400
CAGE:73977
Company Name:HANDY AND HARMAN
Address:1849 BUSINESS CENTER DR
Box:B
City:DUARTE
State:CA
ZIP:91010-0256
Country:US
Phone:818-358-5854
CAGE:25166

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

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 50%
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1

LB
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 15.5%
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 15.5%
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:CADMIUM (SARA III)
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 16%
OSHA PEL:SEE 1910.1027
ACGIH
TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 3%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

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

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES,
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SES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. A CUTE EXPOSURE FROM SOME TOXIC GASES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE CAN BE FATAL.

Explanation of Carcinogenicity: NICKEL IS CONSIDERED A POSSIBLE CARCINOGEN UNDER IARC. RESPIRATORY CANCER FROM WELDING IS UNCONFIRMED.

Effects of Overexposure: EXPOSURE TO WELDING FUMES MAY RESULT IN D

DISCOMFORT SUCH AS DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE NOTED. WATERY EYES, HEADACHE, BREATHING DIFFICULTY, FREQUENT COUGHING AND/OR CHEST PAINS MAY OCCUR FROM ACUTE EXPOSURE. TOXIC GASES CAN BE FATAL.

Medical Condition Aggravated by Exposure: PRE-EXISTING PULMONARY DISEASE MAY BE AGGRAVATED BY INHALATION EXPOSURE TO THIS MATERIAL, PARTICULARLY AS FUME.

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===== First Aid Measures =====
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First Aid: IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash

Point: NONE

Autoignition Temp: Autoignition Temp Text: NONE

Extinguishing Media: USE DRY POWDER DO NOT USE WATER.

Fire Fighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard: IN FINELY DIVIDED FORM, THIS MATERIAL MAY IGNITE WHEN EXPOSED TO FLAME OR BY REACTION WITH INCOMPATIBLE MATERIALS. FIRES MAY RELEASE POTENTIALLY TOXIC METALS.

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===== Accidental Releases =====

e Measures =====

Spill Release Procedures:CLEAN UP SPILLED MATERIAL SO AS TO MINIMIZE DISPERSION OF DUST. WET SWEEPING OR VACUUMING USINGG HEPA FILTRATION ARE RECOMMENDED METHODS,

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

Handling and Storage Precautions:DO NOT STORE AT HIGHLY ELEVATED TEMPERATURES OR IN PROXIMITY TO INCOMPATIBLE MATERIALS.

Other Precautions:DANGER. CONTAINS CADMIUM. CANCER HAZARD. AVOID CREATING DUST. CAN CAUSE LUNG AND KIDNEY DISEASE.

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

Respiratory Protection:IF EXPOSURE LEVELS EXCEED OSHA PEL, WEAR A NIOSH/MSHA APPROVED RESPIRATOR HAVING A PROTECTION FACTOR APPROPRIATE TO THE AIRBORNE CONCENTRATIONS OF THE CONTAMINANTS GENERATED.

Ventilation:USE MECHANICAL LOCAL EXHAUST VENTILATION ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS OF ALL COMPONENTS.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES

AND THE TYPE OF WIRE OR

ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1170F,632C

Spec Gravity:9.52

Evaporation Rate & Reference:SOLID

Solubility in Water:INSOLUBLE

Appearance and Odor:YELLOW METAL IN FORM OF WIRE, ROD, STRIP, POWDER OR PERFORMED SHAPES(ODORLESS)

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZER, INORGANICS AND ORGANIC PEROXIDES, PEROXYFORMIC ACID, CHLORINE AND FLUORINE.

Stability Condition to Avoid: STABLE AT ROOM TEMPERATURES.

Hazardous Decomposition Products: HEATING AT BRAZING TEMPERATURES MAY GENERATE OXIDES OF METALS AS FUMES.

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

Waste Disposal Methods: RETURN TO MANUFACTURER FOR RECLAMATION.

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