

SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES -- NICKEL (ACID STRIKE) PLATING SOLUTION, CODE -- 6850-01-054-6721

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

Product ID:NICKEL (ACID STRIKE) PLATING SOLUTION, CODE

MSDS Date:05/15/1989

FSC:6850

NIIN:01-054-6721

MSDS Number: BMWKS

=== Responsible Party ===

Company Name:SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES

Address:5708 SCHAFF ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

Info Phone Num:216-524-0099

Emergency Phone Num:216-881-8600

CAGE:DO645

=== Contractor Identification ===

Company Name:SIFCO SELECTIVE PLATING DIV OF SIFCO INDUSTRIES INC.

Address:5708 SCHAAF ROAD

Box:City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

Phone:216-524-0099/ FAX: -6331

CAGE:11924

Company Name:SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES INC

Address:5708 SCHAAF ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

Phone:216-524-0099

CAGE:DO6

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

Ingred Name:TRADE SECRET COMPONENT

Other REC Limits:NONE SPECIFIED

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

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

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE: CAUSES SEVERE BURNS. MAY BE FATAL IF SWALLOWED, HARMFUL IF INHALED. MAY CAUSE PERMANENT EYE INJURY. MAY CAUSE PERMANENT EYE INJ

URY. MAY CAUSE ALLERGIC SKIN

REACTION. CHRONIC: EROSION OF TEETH, JAW NECROSIS, BRONCHIAL IRRITATION, CHRONIC COUGH, BRONCHIAL PNEUMONIA, ASTHMA. NICKEL MAY INCREASE RISK OF LUNG CANCER

Explanation of Carcinogenicity:IARC LISTS NICKEL AS A SUSPECTED CARCINOGEN.

Effects of Overexposure:EYE, SKIN & RESPIRATORY TRACT IRRITATION. MAY CAUSE TEARING, VOMITING, PAIN, COUGHING, CHOKING, HEADACHE, DIZZINESS, WEAKNESS, TIGHTNESS IN CHEST, AIR HUNGER, FROTHY SPUTUM, AND CYANOSI

S. INGESTION MA Y BE FOLLOWED BY ASPHYXIA, DELAYED ESOPHAGEAL OR GASTRIC PERFORATION.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, KIDNEYS, LIVER, ALLERGIES, OR SENSITIZATION TO NICKEL OR ITS COMPOUNDS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. GET MEDICAL ATTE
NTION. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: IMMEDIATELY W ASH WITH PLENTY OF SOAP & WATER. REMOVECONTAMINATED CLOTHING/SHOES. INGESTION: DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GIVE PLENTY OF WATER TO DRINK. GET MEDICAL ATTENTION.

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

Flash Point:NONE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:ALL.
Fire Fighti

ng Procedures:WEAR FACE SHIELD/GOGGLES, IMPERVIOUS GLOVES, BOOTS, PROTECTIVE CLOTHING, USE NIOSH APPROVED RESPIRATORY PROTECTION AS REQUIRED. DIKE RUNOFF FROM FIRE CONTROL.

Unusual Fire/Explosion Hazard:EXCESSIVE HEAT MAY CAUSE CONTAINERS TO BURST. CONTACT WITH MWTALS MAY LIBERATE FLAMMABLE HYDROGEN GAS.

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

Spill Release Procedures:DO NOT RELEASE INTO SOIL, SEWER, STREAM, POND OR SOURCE OF DRINKING WATER. CAREFULL

Y MOP UP OR VACUUM SPILL &

RINSE WATER INTO A SUITABLE PLASTIC CONTAINER. SHIP TO APPROVED TREATMENT/DISPOSAL FACILITY. FLUSH SPILL AREA WITH PLENTY OF WATER.

Neutralizing Agent:SODA ASH

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

Handling and Storage Precautions:STORE AT 50-90F AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. DO NOT BREATHE VAPOR, MIST OR GAS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FLUSH CONTAINER CLEAN BEFORE DISCARDING. DO NOT REUSE THIS CONTAINER FOR ANYTHING ELSE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR DECISION LOGIC-PUBLICATION NUMBER 87.108.

Ventilation:LOCAL EXHAUST VENTILATION IS REQUIRED.

Protective Gloves:NEOPRENE, NITRILE, OR VINYL RUBBER

Eye Protection:SAFETY CHEMICAL GOGGLES & FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. IMPERVIOUS BOOTS, APRON, AND PROTECTIVE CLOTHING AS REQUIRED BY JOB CONDITIONS.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS OR

MISTS. WASH THOROUGHLY AFTER HANDLING. TRADE SECRET INFORMATION WILL BE DISCLOSED ONLY UPON FULL COMPLIANCE WITH CRITERIA LISTED IN OSHA STANDARD "HAZARD COMMUNICATION", 29 CFR 1910.1200

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

HCC:C1

Boiling Pt:B.P. Text:>212F,>100C

Melt/Freeze Pt:M.P/F.P Text: