FEB 04 1982

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: Oxy Metal Industries Corporation	EMERGENCY TELEPHONE NO.: (313) 497-9100
ADDRESS (Number, Street, City, State, and ZIP Code): 21441 Hoover Road Warren, Michigan 48089	
CHEMICAL NAME AND SYNONYMS: Nickel Sulfate Hexahydrate	TRADE NAME AND SYNONYMS: Single Nickel Salts
CHEMICAL FAMILY: Metal Salt	FORMULA: $NiSO_4 \cdot 6H_2O$

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	No	No	BASE METAL	No	No
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Nickel Sulfate,	X	X
Nickel Metal as	22.3	1 mg/M^3
	X	X
	X	X

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) decomposes	840°C	SPECIFIC GRAVITY (H_2O=1)	3.68
VAPOR PRESSURE (mm Hg.)	NA	PERCENT, VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (_____=1)	NA
SOLUBILITY IN WATER	Soluble		NA
APPEARANCE AND ODOR	Green solid crystals		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): None	FLAMMABLE LIMITS: None	Lel: X	Uel: X

EXTINGUISHING MEDIA
Non-Applicable

SPECIAL FIRE FIGHTING PROCEDURES
None

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

(Continued on reverse side)

BOE-C6-0201690

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
1 mg/M^3 as Ni

EFFECTS OF OVEREXPOSURE
Possible dermatitis or "Nickel Itch"

EMERGENCY AND FIRST AID PROCEDURES
Flush skin and eyes with water. For eyes get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*
Unknown

HAZARDOUS DECOMPOSITION PRODUCTS
Unknown

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Sweep up and return to container.

WASTE DISPOSAL METHOD
Resale, valuable chemical. Or, dissolve in water, transfer to acid treatment system and handle in the approved manner.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
None, under TLV Limit.

VENTILATION	LOCAL EXHAUST	SPECIAL
	Yes	No
	MECHANICAL *(General)*	OTHER
	No	No

PROTECTIVE GLOVES	EYE PROTECTION
Rubber gloves	Chemical safety goggles

OTHER PROTECTIVE EQUIPMENT
Rubber apron and boots.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep covered and dry. Avoid dusting conditions.

OTHER PRECAUTIONS
Avoid skin contact.

DPM 5112 Nickel Sulfate, Reagent, Crystal

OMI
OXY METAL INDUSTRIES CORPORATION
21441 HOOVER ROAD, WARREN, MICHIGAN 48089 (313) 497-9100
ELECTROCHEMICAL GROUP — UDYLITE AND SEL-REX PRODUCTS

August 2, 1977

Douglas Aircraft Company
3855 Lakewood Blvd.
Long Beach, CA 90846

Attn: M. J. Veneroso, Dept. C1-726 (52-11)

Ref: Your letter of June 21, 1977 to our Buena Park Offices

Attached are the OSHA-20 Material Safety Data sheets you requested. Information has been provided covering the materials and products listed below.

We hope this information fulfills your request, and if we can be of any further assistance, please contact us.

Very truly yours,
OXY METAL INDUSTRIES

Leslie M. Winkler

Leslie M. Winkler
Mgr. Product Information

LMW/c
MSD-2
cc: Buena Park Sales Office
Encl: OSHA-20 forms covering the following Udylite products:
Udysorb
Oxyfin 984 (Equivalentto Solka-Floc)
Nickel Sulfate
NOTE: Udysorb, Oxyfin 984, and Nickel Sulfate are non-regulated for transportation. Therefore, they are not described in CFR-49 or IATA.

DPM 3352
" 3353
DPM 5112

WRITER'S DIRECT LINE: (313) 497-3521