Oxylance

2501 27d Street, N
Birmingham, AL 35234

(205) 322-9906
1 (800) 333-9906
(205) 322-4808 fax

MATERIAL SAFETY DATA SHEET

Product Identification (Label Name): SURWELD NI™

N/A	N/A
Chemical Name	CAS No.
Wet Welding Electrodes SURWELD NI	November 15, 2011
Common Name/Trade Name	Date Updated January 10, 2006

1. Hazardous Ingredients

Chemical Name/Common Name	(CAS No.)	%	Exposure Limits ACGIHTLV	OSHA PEL
BASE METAL				
Nickel	7439896	99 max	as Oxide Fume 5	10
Plasticized Vinyl	N/A			
Alloying Elements:				
Carbon	7440440	.08 - 0.18	--	--
Manganese	7439965	.30 - .60 (dust)	5 (fume) 11	5 (c) 5 (c)
Phosphorus	7723140	.015 - .035 (yellow)	.1	.1
Sulfur	7704349	.02 max	as Sulfur Dioxide 5.2	13
Silicon	7440213	.02 max (dust) (respirable fraction)	10 --	15 5
Aluminum	7429905	.02 - .07 (dust)	10 (fume) 5	15 5
Copper	7440508	.10 max (dust)	1 (fume) .2	1 .1
Chromium	7440473	.05 max	.5	1
Molybdenum	7439987	.05 max	10	15

Section 313 Supplier Information

THIS PRODUCT DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372

NFPA Health = 1 Fire = 0 Reactivity = 0

2. Physical Data

Boiling Point: N/A
Vapor Pressure (mm Hg): N/A
Vapor Density (Air = 1): N/A
Solubility in Water: Insoluble
Specify Gravity (H_2O = 1): N/A
Melting Point: N/A
Evaporation Rate (Butyl Acetate = 1): N/A
Appearance and Odor: Welding Electrode - No Noticeable Odor

3. Health Hazard Data

Primary Route(s) of Entry: (In the Form of Dust and/or Fumes Only)
Inhalation? Yes Skin? No Ingestion? No
*UV Exposure
Carcinogenicity: NIF NTP? IARC? OSHA Regulated

Acute Effects of Overexposure:
EYES: Local Irritation

SKIN: Local Irritation

INHALATION: Excessive exposure to fume may cause a sweet or metallic taste in the mouth, immediate dryness and irritation of the throat, tightness of the chest, and coughing. Several hours later, symptoms may progress to fever, malaise, perspiration, frontal headache, muscle cramps, low back pain, occasionally blurred vision, nausea, and vomiting. Pulmonary congestion, shortness of breath and symptoms of oxygen deficiency may also develop.

INGESTION: Nausea, Vomiting, and Purging

EXPOSURE TO UV: Exposure to UV Radiation can result in keratoconjunctivitis, also known as welders flash. Symptoms include inflammation, blurred vision, and headache.

Chronic Effects of Exposure:
SKIN: NO

INHALATION: Electrodes designed for welding underwater with fresh air supplied to diver. Welding above water may cause a sweet or metallic taste in the mouth. Do not use this electrode above water.

Toxicity Data:
Job task data extrapolated over an eight hour TWA. Conditions for worst case scenario.
-Mild irritation: 300 ug/3 days. Intermittent skin contact
-Lowest toxic concentration: 124 mg/m^3, 50 minute inhalation

Medical Conditions Aggravated by Exposure:
Respiratory illness/diseases, neurological and skin disorders/diseases.

Emergency and First Aid Procedures:
EYE CONTACT: Flush with running water, including under the eyelids, for about 15 minutes. If irritation persists, seek medical attention.

SKIN CONTACT: Wet Welding Electrode intended for underwater use only. Skin contact not applicable

INHALATION: Wet welding electrode intended for underwater welding only. Exposure above water, remove victim from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Keep the affected person warm and at rest. Seek medical attention immediately.

INGESTION: If victim is conscious dilute the stomach and induce vomiting. Qualified medical personnel should remove remaining chemicals by gastric lavage. Seek medical attention immediately.

4. Fire and Explosion Hazard Data

Flash Point (Method Used): NONE
Flammable Limits: N/A LEL UEL
Extinguishing MEDIA: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: Oil and grease on torches can cause a violent reaction in the presence of oxygen.

5. Reactivity Data

Stability:	____	Unstable	Conditions to Avoid: Allowing gases to be trapped in a confined area.
	_X_	Stable	

Incompatibility (Materials to Avoid): Oil and grease on torch can cause a violent reaction in the presence of unburned oxygen.

Hazardous Decomposition or By-Products

Hazardous Polymerization:	____	Will Occur	Conditions to Avoid
	_X_	Will Not Occur	

6. Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled: N/A

Waste Disposal Method: Comply with all local, state, and federal regulations for proper disposal.

7. Special Protection Information

Respiratory Protection: Air purifying respirator if area is unventilated and local exhaust not available.

Ventilation: Diving Helmet with supplied air

Protective Gloves: Rubber Gloves to prevent electrical shock

Eye Protection: 8 - 10 minimum welding shield

Other Protective Equipment: Commercial diving equipment with communications

8. Special Precautions

Precautions to be Taken in Handling and Storing: N/A

Other Precautions: Properly ground welding equipment

9. Other Information

Use proper procedure at all times as specified by the following:

1. Your company's Safe Practices Manual
2. OSHA 1910 Subpart Q, Cutting and Welding Regulations
3.. ANSI Z49.1 Safety in Welding and Cutting
4. Other applicable references ADC Consensus Standards
5. U.S. Navy Welding and Burning Manual

ABBREVIATIONS

NA - Not Applicable
NE - Not Established
NL - Not Listed
NIF - No Information Found