Material Safety Data Sheet

Required under USDL Safety and Health Regulations for Shipyard Employment (29 CFR 1915)

U.S. Department of Labor

Occupational Safety and Health Administration

Copy

OMB No 1218-0074
Expiration Date 05/31/86

Welding Rod

Section I

Manufacturer's Name: BRANT WELDING ALLOY'S

Emergency Telephone Number: (515) 225-8215

Address (Number, Street, City, State, and ZIP Code): PO. BOX 71 CLIVE, IA. 50053

Chemical Name and Synonyms:

Trade Name and Synonyms: BRANT ALLOYS # 20FC

Chemical Family: NICKEL SILVER

Formula: N1 Ag

Section II - Hazardous Ingredients

Paints, Preservatives, and Solvents	%	TLV (Units)	Alloys and Metallic Coatings	%	TLV (Units)
Pigments: CALCIUM CARBONATE & LIMESTONE INERT			Base Metal: COPPER CORE	36.0	
Catalyst: TITANIUM DIOXIDE	1.5		Alloys: FERROALLOYS	10	
Vehicle: FLOURIDES	2.5		Metallic Coatings: SODIUM & POTASSIUM SILI	15	
Solvents: MAGNESIUM OXIDE	15		Filler Metal Plus Coating or Core Flux: BORIC ACID FLUX	25.0	
Additives			Others: ZINC	31.0	
Others: IRON OXIDE	10		NICKEL	8.0	

Hazardous Mixtures of Other Liquids, Solids or Gases

	%	TLV (Units)

Section III - Physical Data

Boiling Point (°F)		Specific Gravity (H_2O=1)	
Vapor Pressure (mm Hg.)		Percent Volatile by Volume (%)	
Vapor Density (AIR=1)		Evaporation Rate _____ =1)	

Solubility in Water

Appearance and Odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	Lel	Uel

Extinguishing Media

Special Fire Fighting Procedures

Unusual Fire and Explosion Hazards

ection V - Health Hazard Data

hreshold Limit Value

ffects of Overexposure SHORT TERM OVEREXPOSURE MAY RESULT IN DIZZINESS AND DRYNESS OR IRRITATION OF NOSE AND OR THROAT

mergency First Aid Procedures REMOVE PERSON TO FRESH AIR AND CALL PHYSICIAN

ection VI - Reactivity Data

ability	Unstable		Conditions to Avoid
	Stable	X	

ncompatability (Materials to Avoid) NONE

azardous Decomposition Products N/A

azardous olymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

ection VII - Spill or Leak Procedures

teps to be Taken in Case Material is Released or Spilled

Vaste Disposal Method

ection VIII - Special Protection Information

espiratory Protection (Specify Type) REQUIRED

entilation	Local Exhaust	Special
	Mechanical (General)	Other

rotective Gloves USE GLOVES WHILE WELDING

Eye Protection HELMET OR SHIELDS OR GOGGLES

ther Protective Equipment LEGGINGS - BOOTS - CAPS

ection IX - Special Precautions

recautions to be Taken in Handling and Storing

ther Precautions