

## **SOUNDONEL NICRFE-2 AWS A5.11**

### **MSDS Number**

BKCWF

### **National Stock Number**

3439-00F015275

### **Product Name**

SOUNDONEL NICRFE-2 AWS A5.11

### **Manufacturer**

HOBART BROTHERS CO

### **Product Identification**

Product ID: SOUNDONEL NICRFE-2 AWS A5.11

MSDS Date: 09/01/1989

FSC: 3439

NIIN: 00F015275

MSDS Number: BKCWF

### **Responsible Party**

HOBART BROTHERS CO

600 WEST MAIN STREET

TROY , OH 45373

Emergency Phone: (513) 332-4000

Info Phone: (513) 332-4000

Cage: 28835

### **Contractor**

HOBART BROTHERS CO

TROY, OH 45373

US

513-339-6000

Cage: 28835

### **Ingredients**

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

MOLYBDENUM

CAS: 7439-98-7

RTECS: QA4680000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

COLUMBIUM, NIOBIUM

CAS: 7440-03-1

Fraction By Weight:

CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS: 1317-65-3

RTECS: EV9580000

Fraction By Weight: 5-12%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9192

SILICATE BINDERS (SODIUM SILICATE)

CAS: 1344-09-8

Fraction By Weight:

ACGIH TLV: 10 MG/CUM

POTASSIUM SILICATE, POTASSIUM METASILICATE

CAS: 1312-76-1

Fraction By Weight:

TITANIUM DIOXIDE

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

CALCIUM FLUORIDE (FLUORSPAR, CALCIUM DIFLUORIDE, IRTRAN 3,

CAS: 7789-75-5

RTECS: EW1760000

Fraction By Weight: 3-11%

OSHA PEL2.5 MG/CUM (AS F)

ACGIH TLV: 2.5 MG/CUM (AS F)

MICA - SILICATES (< 1% CRYSTALLINE SILICA)

CAS: 12001-26-2

RTECS: VV8760000

Fraction By Weight:

OSHA PEL20 MPPCF

ACGIH TLV: 3 MG/M3 RDUST; 9293

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight:

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight:

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

CHROMIUM (SARA III)

CAS: 7440-47-3

RTECS: GB4200000

Fraction By Weight: 8-15%

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 60-65%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:YES  
Health Hazards Acute and Chronic:EYE: IRRITATION/BURN & DRYNESS. SKIN:  
BURN & ULCERS. INHALATION: DIZZINESS/NAUSEA/DRYNESS OR IRRITATION  
OF NOSE & THROAT/PULMONARY EDEMA BRONCHITIS/CHEST  
TIGHTNESS/FEVER/ALLERGIC REACTION/RESPIRATORY & CNS  
IRRITATION/LUNG DAMAGE/ASTHMA/SIDEROSIS & PULMONARY FUNCTIONS.  
INGESTION: METALLIC TASTE/SEVERE INJURY & DEATH.  
Explanation of Carcinogenicity:NICKEL & CHROMIUM ARE SUSPECTED  
CARCINOGENS.  
Effects of Overexposure:EYE: IRRITATION/BURN & DRYNESS. SKIN: BURN &  
ULCERS. INHALATION: BONE EROSION/MUSCULAR WEAKNESS/TREMOR  
(PARKINSON'S DISEASE)/BEHAVIORAL & HANDWRITING  
CHANGES/MANGANISM/LUNG FIBROSIS/PNEUMOCONIOSIS/LUN G & NASAL  
CANCER. INGESTION: METALLIC TASTE/SEVERE INJURY & DEATH.

## First Aid

First Aid:EYES/SKIN: FLUSH W/PLENTY OF WATER. INHALATION: REMOVE TO  
FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED. INGESTION: OBTAIN MEDICAL  
ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point:NON-FLAMMABLE  
Unusual Fire/Explosion Hazard:CONSUMABLES AS SHIPPED ARE NON-REACTIVE,  
NON-EXPLOSIVE & ESSENTIALLY NON-HAZARDOUS UNTIL WELDED. WELDING  
ARCS/SPARKS CANIGNITE COMBUSTIBLES, FLAMMABLE PRODUCTS.

## Handling

Handling and Storage Precautions:WELDING FUMES/GASES CAN'T BE CLASSIFIED SIMPLY. ELEMENTS & OXIDES ARE VIRTUALLY ALWAYS PRESENT AS COMPLEX OXIDES & NOT METALS.

Other Precautions:CONDITIONS INFLUENCE THE COMPOSITION & QUANTITY OF FUMES, GASES, COATINGS ON THE METAL BEING WELDED SUCH AS PAINT, PLATING & GALVANIZING WELDERS & VOLUME CONTAMINANTS SUCH AS CHLORINATED HYDROCARBON V APORS. ELECTRIC SHOCK.

## Exposure Controls

Respiratory Protection:USE NIOSH APPROVED OR EQUIVALENT FUME RESPIRATOR/AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED AREAS OR WHERE LOCAL EXHAUST/VENTILATION DOES NOT KEEP BELOW TLV.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO KEEP FUMES & GASES BELOW TLV.

Protective Gloves:RECOMMENDED

Eye Protection:FACE SHIELD W/FILTER LENS; SEE SUPP

Other Protective Equipment:HELMET, FULL PROTECTIVE CLOTHING, ARM/SHOULDER PROTECTORS & APRON

Supplemental Safety and Health

MATERIAL TO AVOID CONT: NICKEL, NICKEL/CHROMIUM (VI)/COPPER COMPOUNDS, COLUMBIUM, MOLYBDENUM & FLOURIDE. EYE PROTECTION CONT: SHADE NO.

14, PROTECTIVE SCREENS & FLASH GOGGLES.

## Stability

Stability Indicator/Materials to Avoid:YES

IRON OXIDES, FLOURIDES, SECONDARILY COMPLEX OXIDES OF CALCIUM, MANGANESE, CHROMIUM, SILICON & TITANIUM; SEE SUPP

Hazardous Decomposition Products:CO, CO<sub>2</sub>, OZONE & NITROGEN OXIDE

## Disposal

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE W/FEDERAL, STATE & LOC AL REGULATIONS.

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