View NSN Online: https://aerobasegroup.com/nsn/3439-01-323-1288

NATIONAL-STANDARD CO -- CARBON STEEL WELDING PRODUCTS, ER70S-3 -- 3439-01-323-1288

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

Product ID:CARBON STEEL WELDING PRODUCTS, ER70S-3

MSDS Date:01/01/1999

FSC:3439

NIIN:01-323-1288

Status Code:A

MSDS Number: CKXNM === Responsible Party ===

Company Name: NATIONAL-STANDARD CO

Address:1618 TERMINAL RD

City:NILES State:MI

ZIP:49120-2504

Country:US

Info Phone Num:616-6

83-8100

Emergency Phone Num:616-683-8100 Preparer's Name:ROBERT P. MARTINELLI

CAGE:83718

=== Contractor Identification ===

Company Name: INDUSTRIAL WELDING AND SAFETY SUPPLY INC

Address:117 E FRANKLIN STREET

Box:City:ANDERSON

State:SC ZIP:29624 Country:US

Phone:803-224-1197

Contract Num:SP0411-01-M-E750

CAGE:0R427

Company Name: NATIONAL-STANDARD CO

Address:1618 TERMINAL RD

Box:City:NILES

State:MI

ZIP:49120-2504

Country:US

Phone:616-683-8100

CAGE:83718

====== Composition/Information on Ing

redients =======

Ingred Name: MANGANESE (MN)

CAS:7439-96-5

RTECS #: OO9275000

= Wt:1.1

OSHA PEL:C5 MG/M3 ACGIH TLV:0.2 MG/M3

Ingred Name: IRON (FE)

CAS:7439-89-6

RTECS #:NO4565500

= Wt:98.9

OSHA PEL:10 MG/M3 ACGIH TLV:10 MG/M3

Ingred Name: COPPER (CU)

CAS:7440-50-8

RTECS #:GL5325000

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.2 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name: SILICON 9SI)

CAS:7440-21-3

RTECS #:VW0400000 OSHA PEL:15 MG/M3 ACGIH TLV:10 MG/M3

Health Hazards Acute and Chronic:SHORT-TERM: LOSS OF CONSCIOUSNESS/DEATH DUE TO WELDING GASES OR LACK OF OXYGEN. LONG-TERM: ADVERSE EFFECTS MAY RESULT FROM LONG-TERM EXPOSURE TO WELDING FUME, GASES OR DUSTS. THESE EFFECTS MAY INCLUD E SKIN SENSITIZATION, NEUROLOGICAL DAMAGE, AND RESPIRATORY DISEASE SUCH AS BRONCHIAL ASTHMA, LUNG FIBOSIS OR PNEUMOCONISIS.

Explanation of Carcinogenicity: NOT PROVIDED BY MFR

Effects of Overexposure:METALLIC T

FEVER; IRRITATION OF EYES, NOSE, THROAT AND SKIN. Medical Cond Aggravated by Exposure: AGGRAVATION OF PRE-EXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUE IN SOME WORKERS.
======================================
First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION. IF VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING, RESUCIATE IMMEDIATELY.
======================================
Flash Point:NONFLAMMABLE Fire Fighting Procedures:REFER TO AMERICAN NATIONAL STANDARD Z49.1, SAFETY IN WELDING & CUTTING, PUBLISHED BY THE AMERICAN WELDING SOCIETY, P.O. BOX 351040, MIAMI, FL 33135, FOR FIRE PREVENTION AND PROTECTION INFORMATION DURI NG THE SUE OF WELDING AND ALLIED PROCEDURES. Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES.
============= Handling and Storage =============
Handling and S torage Precautions:NOT PROVIDED BY MFR Other Precautions:THIS MSDA COVERS ALL CARBON STEEL WELDING PRODUCTS MANUFACTURED BY NATIONAL-STANDARD. TRADE NAME AND NOMINAL COMPOSITION ARE LISTED IN INGREDIENTS SECTION AND INCLUDE BOTH COPPER-COATED AND COPPERFREE PRODUCTS.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VEN
TILATION DOES NOT KEEP EXPOSURE BELOW TLV. Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH, TO KEEP THE FUMES AND GASES BELOW THE TLV'S IN THE WORKERS BREATHING ZONE AND THE GENERAL AREA.
Protective Gloves:WELDERS GLOVES. Eye Protection:WEAR HELMET OR USE FACE SHIELD WITH FILTER LENS, SHADE NO. 10 OR DARKER.
Other Protective Equipment:PROVIDE PROTECTIVE SCREENS OR FLASH GOGGLES IF NEEDED TO SHIELD OTHERS. WEAR HAND, HEAD & BODY PROTECTION TO HELP PREVENT

ASTE; NAUSEA, TIGHTNESS OF CHEST;

INJURY FROM RADIATION, SPARKS & ELECTRICAL SHOCK (SEE ANSI-Z49.1).

Work Hygienic Practices:TRAIN THE WORKER TO KEEP HIS HEAD OUT OF THE FUMES.

Supplemental Safety and Health

PROTECTION-AT A MINIMUM, THIS INCLUDES WELDER'S GLOVES & PROTECTIVE FACE SHIELD, & MAY INCLUDE ARM PROTECTORS, APRON, HATS & SHOULDER PROTECTION AS WELL AS DARK, SUBSTANTIAL CLOTHING. *NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING: HEALTH-0, FLAMMABILITY-0, REACTIVITY-0.

========= Ph ysical/Chemical Properties ==========
HCC:N1 Melt/Freeze Pt:=1482.2C, ######F Spec Gravity:489.6 LBS/FT3 Appearance and Odor:GRAY OR COPPER COLORED, SOLID METALS SHAPED AS WIRE OF VARIOUS DIAMETERS.
========= Stability and Reactivity Data ==========
Stability Indicator/Materials to Avoid:YES Stability Condition to Avoid:NP Hazardous Decomposition Products:FUMES & GASES FROM WELDING CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION & QUANTITY OF BOTH DEPEND ON THE METAL BEING WELDED, THE PROCESS, PROCEDURES, & ELECTRODES USED. (SEE OTHER INFORMATION SECTION)
======= Disposal Considerations ==========
Waste Disposal Methods:NOT PROVIDED BY MFR
======================================

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever,

expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.