



DUAL SHIELD 110

MSDS Number

BRTQS

National Stock Number

3439-00F028577

Product Name

DUAL SHIELD 110

Manufacturer

ALLOY RODS CORP

Product Identification

Product ID: DUAL SHIELD 110

MSDS Date: 07/19/1988

FSC: 3439

NIIN: 00F028577

MSDS Number: BRTQS

Responsible Party

ALLOY RODS CORP

1500 KAREN LN

HANOVER, PA 17331

US

Emergency Phone: 717-637-8911

Info Phone: 717-637-8911

Cage: GO230

Contractor

ESAB GROUP INC

517

HANOVER, PA 17331

US

717-637-8911 OR 800-933-7070

Cage: 84021

Ingredients

IRON

CAS: 7439-89-6

RTECS: NO4565500

OSHA PEL5 MG/CUM

ACGIH TLV: 10 MG/CUM

SILICON

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293



MANGANESE, MN COMPOUNDS

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

SILICA DIOXIDE, CRYSTALLINE QUARTZ, SAND (SUSPECTED HUMAN

CAS: 14808-60-7

RTECS: VV7330000

OSHA PELSEE TABLE Z3

ACGIH TLV: 0.1 MG/M3 RDUST;9293

TITANIUM DIOXIDE, TIO2

CAS: 13463-67-7

RTECS: XR2275000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

SODIUM TITANATE *93-1*

CAS: 12034-34-3

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:IRRITATION OF NOSE, THROAT, EYES. MAY LEAD TO SIDEROSIS WHICH MAY AFFECT PULMONARY FUNCTION. ARC RAYS CAN INJURE EYES & BURN SKIN. ELECTRIC SHOCK CAN KILL. SEE SUPP.
Explanation of Carcinogenicity:SEE INGREDIENTS.
Effects of Overexposure:INHALATION: DIZZINESS, NAUSEA, IRRITATION OF NOSE OR THROAT. EYES: IRRITATION. SKIN: DRYNESS & BURNS.

First Aid

First Aid:EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point:NON-FLAMMABLE
Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES.

Handling

Handling and Storage Precautions:KEEP HEAD OUT OF FUMES, DON'T TOUCH LIVE ELECTRICAL PARTS, INSULATE FROM WORK AND GROUND.
Other Precautions:TO DETERMINE COMPOSITION & QUANTITY OF FUMES & GASES TO WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE INSIDE THE WELDERS HELMET OR IN THE WORKER'S BREATHING ZONE.

Exposure Controls

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.
Ventilation:LOCAL EXHAUST AT THE ARC TO KEEP THE FUMES & GASES BELOW THE TLV.
Protective Gloves:WELDERS GLOVES



Eye Protection:FACE SHIELD W/APPROPRIATE FILTER LENS
Other Protective Equipment:HELEMT, ARM PROTECTORS, APRONS, HATS,
SHOULDETION, DARK SUBSTANTIAL CLOTHING, SCREENS, FLASH GOGGLES.
Supplemental Safety and Health
THE PRODUCT AS SUPPLIED IS NON-HAZARDOUS. HEALTH HAZARDS OCCUR DURING
OPERATIONS. THE COMPOSITION & QUANTITY OF WELDING FUMES ARE
DEPENDENT ON THE PROCESS, PROCEDURES, MEDIA, CONTAMINENTS IN THE
ATMOS PHERE, & ELECTRODES USED.

Stability

Stability Indicator/Materials to Avoid:YES
SEE SUPP
Stability Condition to Avoid:SEE SUPP
Hazardous Decomposition Products:CO, CO₂, OZONE & NITROGEN OXIDES
FORMED BY THE RADIATION FROM ARC. WELDING FUMES - COMPLEX OXIDES
FROM THE INGREDIENTS.

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, & L OCAL REGULATIONS.

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