

MARCO CO.,AMERICAN CHEMICAL AND FLUX PRODUCTS DIV. -- HEAT FENCE -- 3439-01-266-4557  
===== Product Identification =====

Product ID:HEAT FENCE

MSDS Date:06/07/1988

FSC:3439

NIIN:01-266-4557

MSDS Number: BGRZP

=== Responsible Party ===

Company Name:MARCO CO.,AMERICAN CHEMICAL AND FLUX PRODUCTS DIV.

Address:5722 UNION PACIFIC AVENUE

City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Info Phone Num:

213-723-0713

Emergency Phone Num:213-723-0713

Preparer's Name:BARRY MARDEN

CAGE:NO329

=== Contractor Identification ===

Company Name:MARCO CO

Address:5722 UNION PACIFIC AVENUE

Box:City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Phone:213-723-0711

CAGE:55278

Company Name:MARCO CO.,AMERICAN CHEMICAL AND FLUX PRODUCTS DIV.

Address:5722 UNION PACIFIC AVENUE

Box:City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Phone:213-723-0713

CAGE:NO329

===== Composition/Information on Ingredients

=====

Ingred Name:BENTONITE (AS NUISANCE DUST OR PARTICULATES NOT OTHERWISE REGULATED)

CAS:1302-78-9

RTECS #:CT9450000

OSHA PEL:15 MG/M3 TOTAL DUST

ACGIH TLV:10 MG/M3 TDUST;8990

Ingred Name:SILICA, CRYSTALLINE - CRISTOBALITE

CAS:14464-46-1

RTECS #:VV7325000

OSHA PEL:SEE TABLE Z3

ACGIH TLV:0.05 MG/M3 RDUST9293

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST;  
9293

Ingred Name:BORONITRITES

Ingred Name:DEMINERALIZED WATER

CAS:7732-18-5

RTECS #:ZC0110000

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:WELDING HEALTH HAZARDS INCLUDE

BREATHING OF METAL OXIDE FUMES, METAL FUME FEVER, ULTRAVIOLET LIGHT BURNS OF SKIN AND/OR EYES, THERMAL BURNS, AND ELECTRIC SHOCK.

DGSC-SSH DOES NO

T EXPECT THIS PRODUCT TO INCREASE THE NORMAL WELDING HEALTH HAZARDS.

Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EXPOSURE TO WELDING FUMES MAY RESULT IN DIZZINESS, NAUSEA, FEVER AND/OR IRRITATION OF NOSE, THROAT AND EYES. TOXIC GASES CAN BE FATAL.

Medical Cond Aggravated by Exposure:SOME WORKERS MAY BE AFFECTED BY A PRE-EXISTING CONDITION OR OTHER OCCUPATIONAL ILLNESS BECAUSE O

F THE  
WIDE VARIATION IN INDIVIDUAL SUSCEPTIBILITIES.

=====  
First Aid Measures  
=====

First Aid:FUME INHALATION:REMOVE FROM EXPOSURE. GET MEDICAL ATTENTION.  
THERMAL BURN:USE NORMAL FIRST AID. ULTRAVIOLET EXPOSURE:SKIN;TREAT  
AS SUNBURN. EYE; GET MEDICAL ATTENTION. ELECTRIC SHOCK:TURN OFF  
POWER. REMOVE AND RESTORE BREATHING IF NECESSARY. GET MEDICAL  
ATTENTION.

=====  
Fire Fighting Measures  
=====

Flash Poi

nt:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH  
MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:USE ALL APPROVED SAFETY PRECAUTIONS WHEN  
FIGHTING FIRES,(I.E. SELF CONTAINED BRETHING APPARATUS, BUNKER  
GEAR, ETC.)

Unusual Fire/Explosion Hazard:NO UNUSUAL HAZARDS. PRODUCT IS USED  
DURING ARC WELDING AND DOES NOT INCREASE THE USUAL WELDING HAZARDS.

=====  
Accidental Release Measures  
=====

Spill Release Pr

cedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES  
AND PLACE IN SUITABLE DOT APPROVED CONTAINERS. AVOID INHALATION AND  
SKIN EXPOSURE.

Neutralizing Agent:NOT RELEVANT

=====  
Handling and Storage  
=====

Handling and Storage Precautions:NO SPECIAL HANDLING IS REQUIRED. STORE  
AS DIRECTED BY MFR.

Other Precautions:SEE ANSI STANDARD Z49.1-1983. READ "SAFETY IN  
WELDING AND CUTTING" FROM AMERICAN WELDING ASSOCIATION, 550 N.W.  
JEUNE RD., MIAMI,FL  
33135.

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:USE NIOSH/MSHA WELD FUME RESPIRATOR OR AIR  
SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED  
SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP  
EXPOSURE BELOW PEL/TLV.

Ventilation:USE LOCAL VENTILATION WHEN CUTTING, GRINDING OR WELDING TO  
KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE.

Protective Gloves:WELDERS LEATHER GLOVES

Eye Prot

ection:OSHA APPR.GOGGLES/FACE SH'LD W/ANSI LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING,  
GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT  
CUTTING OR WELDING.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE. WASH THOROUGHLY  
BEFORE EATING OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE  
REUSE.

Supplemental Safety and Health

THIS PRODUCT IS INTENDED FOR USE DURING ARC WELDING OPERATIONS. IT IS  
NOT EXPECTED TO CAUSE ADDITIONAL HAZARD ABO

VE THOSE INHERENT IN THE

WELDING PROCESS. MFR LISTED ONLY WELDING HAZARDS ON THE MSDS .

DGSC-SSH EXPECTS THE PRODUCT TO BE ESSENTIALLY NON-HAZARDOUS IN AND  
OF ITSELF.

===== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:SOLID

Appearance and Odor:GRAY/TAN PASTE, ALMOST NO ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposi

tion Products:WELDING AND CUTTING OPERATION MAY

INCLUDE OXIDES OF THE METALS, CHROMATES, FLUORIDES, COMPLEX  
METALLICS, AND OZONE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/AW FEDERAL, STATE & LOCAL REGULATIONS

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,  
expressl

y 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.