

X-ERGON,A PARTSMaster CO.,DIV. OF NCH -- TOUGH-ONE ELECTRODE 5/32 -- 3439-01-186-0366
===== Product Identification =====

Product ID:TOUGH-ONE ELECTRODE 5/32

MSDS Date:12/12/1988

FSC:3439

NIIN:01-186-0366

MSDS Number: BRTHL

=== Responsible Party ===

Company Name:X-ERGON,A PARTSMaster CO.,DIV. OF NCH

Address:1400 E NORTHGATE DR

Box:152170

City:IRIVING

State:TX

ZIP:75015-2102

Country:US

Info Phone Nu

m:800-442-7950

Emergency Phone Num:214-438-1381

Preparer's Name:MICHAEL COLE

CAGE:EO081

=== Contractor Identification ===

Company Name:X-ERGON A PARTSMasters CO DIV NCH CORP

Box:152170

City:IRVING

State:TX

ZIP:75015

Country:US

Phone:972-438-1381

CAGE:55649

Company Name:X-ERGON,A PARTSMaster CO.,DIV OF NCH

Box:152170

CAGE:EO081

===== Composition/Information on Ingredients =====

Ingred Name:RUTILE

Other REC Limits:15 MG/M3

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Other

REC Limits:10 MG/M3

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
Other REC Limits:5 MG/M3
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:SODIUM AND POTASSIUM SILICATE
Other REC Limits:15 MG/M3

Ingred Name:FLUORSPAR
CAS:14542-23-5
Other REC Limits:2.5 MG/M3

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:1 MG/M3
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293

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

Routes of Entr

y: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES,
GASES OR DUST MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA,
FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN
SENSITIVITY MAY ALSO BE NOTED. A CUTE EXPOSURE FROM SOME TOXIC
GASES MAYCAUSE PULMONARY EDEMA, ASPHYXIATION AND EXCESSIVE EXPOSURE
CAN BE FATAL.

Effects of Overexposure:METALLIC TASTE,
NAUSEA, TIGHTNESS OF CHEST,
FEVER, DIZZINESS. EYE, NOSE, THROAT DRYNESS AND IRRITATION.

Medical Cond Aggravated by Exposure:PULMONARY DISEASES.

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

First Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL
FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM
EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF
BREATHING IS D IFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL
RESPIRAT

ION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE.
EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE
Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE
COMBUSTIBLE PRODUCTS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDU
E
AND PLACE IN SUITABLE DOT APPROVED DISPOSAL CONTAINER.

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

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.
MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK
BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH APPROVED
SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR W
HEN USING
IN CONFINED SPACES.

Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.

Protective Gloves:WELDER'S GLOVES

Eye Protection:FACE SHLD W/FILTER LENS.

Other Protective Equipment:LONG SLEEVE CLOTHES, ARM PROTECTOR, APRON,
HAT, SHOULDR PROTECTION.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER WELDING.

Supplemental Safety and Health

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

HCC:N1

Appearance and Odor:WELDING ELECTRODES

===== Stability and Rea

ctivity Data =====

Stability Indicator/Materials to Avoid: YES

Hazardous Decomposition Products: FUMES OF METALS AND METAL
OXIDES, CO, NO₂, O₃.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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