

L-TEC 429

MSDS Number

BSBSF

National Stock Number

3439-00N040798

Product Name

L-TEC 429

Manufacturer

L TEC WELDING AND CUTTING SYSTEMS

Product Identification

Product ID:L-TEC 429
MSDS Date:04/01/1988
FSC:3439
NIIN:00N040798
MSDS Number: BSBSF

Responsible Party

L-TEC WELDING & CUTTING SYSTEMS
ASHTABULA , OH 44004
US

Emergency Phone: 216-992-1265

Info Phone: 216-992-1265

Cage: DO412

Contractor

L-TEC WELDING AND CUTTING SYSTEMS
710
ASHTABULA, OH 44004
US
216-992-5186
Cage: 55019

Ingredients

VOLATILIZATION, RXN OR OXIDATION OF MATLS SHOWN,
RTECS: 9999999ZZ

REASONABLY EXPECTED FUME CONSTITUENTS OF PROD WOULD
RTECS: 9999999ZZ

TITANIUM, MAGNESIUM, ZIRCONIUM & FLUORIDES. GASEOUS
RTECS: 9999999ZZ

OZONE AND NITROGEN OXIDES MAY BE FORMED BY
RTECS: 9999999ZZ

WELDER TO KEEP HIS HEAD OUT OF FUMES.

RTECS: 9999999ZZ

PROT FACE SHIELD,& MAY INCL ARM PROT,

RTECS: 9999999ZZ

CLTHG. TRAIN WELDER NOT TO TOUCH LIVE ELECTRICAL

RTECS: 9999999ZZ

3)

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight:

OSHA PEL10 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

MANGANESE (AND MN COMPOUNDS)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight:

OSHA PEL5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST

TITANIUM OXIDE; (TITANIUM DIOXIDE)

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight:

OSHA PEL10 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

1); (MAGNESITE)

CAS: 546-93-0

RTECS: OM2470000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST;5RESP

ACGIH TLV: 10 MG/M3 TDUST

SILICON; (SILICON ALLOYS)

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight:

OSHA PEL10 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

CALCIUM FLUORIDE

CAS: 7789-75-5

RTECS: EW1760000

Fraction By Weight:

OSHA PEL2.5 MG/M3 (F)

ACGIH TLV: 2.5 MG/M3 (F)

SILICA, CRYSTALLINE-QUARTZ; (MINERAL SILICATES)

CAS: 14808-60-7

RTECS: VV7330000

Fraction By Weight:

OSHA PEL0.1 MG/M3 RDUST

ACGIH TLV: 0.1 MG/M3 RDUST

SILICIC ACID (H*2SIO*3), DISODIUM SALT; (SILICATE BINDER

CAS: 6834-92-0

RTECS: VV9275000

Fraction By Weight:

SILICATE BINDER

CAS: 10006-28-7

Fraction By Weight:

OSHA PEL10 MG/M3 (MFR)

ACGIH TLV: 10 MG/M3 (MFR)

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight:

OSHA PEL10 MG/M3

ACGIH TLV: 5 MG/M3

WELDED, PROCESS, PROCS,& ELECTRODES USED.

RTECS: 9999999ZZ

FUMES & GASES TO WHICH WORKERS MAY BE EXPOS

RTECS: 9999999ZZ

GALVANIZING), NUMBERS OF WELDERS & VOL OF WORK AREA,

RTECS: 9999999ZZ

RESPECT TO FUME PLUME,AS WELL AS PRESENCE OF CONTAMS

RTECS: 9999999ZZ

FROM CLEANING & DEGREASING ACTIVITIES. WHEN

RTECS: 9999999ZZ

DIFFERENT IN PERCENT & FORM FROM INGS LISTED.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE OVEREXP TO WELDING FUMES MAY RSLT IN FOLLOWING SIGNS & SYMPS: DISCOMFORT SUCH AS DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT OR EYES. CHRONIC OVEREXPOSURE TO WELDING FUMES CAN LE AD TO SIDEROSIS (IRON DEPOSITS IN LUNG)AND AFFECT PULMONARY FUNCTION. ARC RAYS CAN INJURE EYES AND (EFTS OF OVEREXP)

Explanation of Carcinogenicity:CRYSTALLINE SILICA: GRP 2A (IARC SUPP7, P341, 1987), ANTICIPATED TO BE A CARCINOGEN (NTP 6TH ANNUAL REPORT, 1991).

Effects of Overexposure:HEALTH HAZARDS: BURN SKIN. HEAT RAYS (INFRARED RADIATION FROM FLAME OR HOT METAL) CAN INJURE EYES. ELECTRIC SHOCK CAN KILL. NOISE CAN DAMAGE HEARING.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED RESPIRATORY FUNCTION MAY HAVE SYMPTOMS WORSENER BY EXPOSURE TO WELDING FUMES.

First Aid

First Aid:CALL FOR MED AID.EMPLOY FIRST AID TECHNIQUES RECOM BY AMERICAN RED CROSS. INHAL:IF BRTHG DFCLT, GIVE OXYGEN.CALL PHYS.IN CASE OF ELEC SHOCK DISCONNECT & TURN OFF POWER.IF NOT BRTHG, BEGIN ARTF RESP, P REF MOUTH-TO-MOUTH. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE. IMMED CALL PHYS. SKIN:IN CASE OF ARC BURN CALL PHYS.EYE: FLUSH W/WATER FOR AT LST 15 MINS . INGEST:CALL MD IMMED .

Fire Fighting

Flash Point:NONFLAMMABLE

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLE AND FLAMMABLE PRODUCTS. SEE ANSI49.1 "SAFETY IN WELDING & CUTTING" FOR FIRE PREVENTION AND PROTECTION INFORMATION.

Accidental Release

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:ONE WAY TO DETERMINE EXPOSURE TO FUMES IS TO TAKE AIR SAMPLE IN WORKER'S BREATHING ZONE.

Other Precautions:READ & UNDERSTAND MFR'S INSTRUCTIONS & PREC LBL ON PROD. SEE AMERICAN NATL STD Z49.1, SAFETY IN WELDING & CUTTING, PUBLISHED BY AMERICAN WELDING SOCIETY, P.O. BOX 351040, MIAMI FL 33135; OSHA PUBLICAT ION 2206 (29CFR1910), U.S. GOVT (SUPDAT)

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV. SELECT AS PER OSHA 29 CFR 1910.134.
Ventilation:USE ENOUGH VENT,LOC EXHST AT ARC/BOTH,TO KEEP FUMES & GASES BELOW TLV'S IN WORKER'S BRTHG ZONE & GEN AREA.TRAIN (ING 21)
Protective Gloves:WELDER'S GLOVES.
Eye Protection:HELMET OR FILTER LENS FACESHLD (SUPDAT)
Other Protective Equipment:WEAR HAND, HEAD,& BODY PROT WHICH HELP PVNT INJ FROM RADIA, SPARKS, & ELEC SHOCK. SEE ANSIZ49.1.AT MIN THIS INCL(ING 22)
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
EYE PROT: . AS RULE OF THUMB, START WITH SHADE THAT IS TOO DARK TO SEE WELD ZONE AND THEN GO TO NEXT LIGHTER SHADE (SEE ANSIZ49.1).
PROVIDE PROT SCREENS AND FLASH GOGG, IF NEC TO SHIELD OTHERS.
OTHER PREC: PRINTING OFFICE, WASHINGTON, D.C. 20402; & L-TEC'S PUBLICATIONS 52-529 AND 2035 FOR MORE DETAILS.

Chemical Properties

Appearance and Odor:AGGLOMERATED MINERAL AND ALLOY PARTICLES

Stability

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:WELDING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. COMPOSITION & QTY OF BOTH ARE DEPENDENT UPON METAL BEING (ING 11)

Disposal

Waste Disposal Methods:DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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