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DATE: 08/29/95
CUST#: 2-043-15940
PO#: 80407

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SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

PRODUCT #: T1036 NAME: TIN MESH: =30

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 7440-31-5
MF: SN

SYNONYMS

SILVER MATT POWDER * TIN (ACGIH, OSHA) * TIN (ALPHA) * TIN FLAKE * TIN
POWDER * ZINN (GERMAN) *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

CAUTION:
AVOID CONTACT AND INHALATION.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.
FLUSH SKIN WITH WATER.
IF INHALED, REMOVE TO FRESH AIR.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

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SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID CONTACT AND INHALATION.
WASH THOROUGHLY AFTER HANDLING.
KEEP CONTAINER CLOSED.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR
GREY GRANULAR POWDER
SPECIFIC GRAVITY: 7.310

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
SULFUR
STRONG BASES
HALOGENS
AVOID CONTACT WITH ACID.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

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RTECS NO: XP7320000

TIN

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

MATERIAL IN THE ELEMENTAL STATE SHOULD BE RECOVERED FOR REUSE OR
RECYCLING.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

REVIEWS, STANDARDS, AND REGULATIONS

ACGIH TLV-TWA 2 MG/M3

MSHA STANDARD-AIR:TWA 2 MG/M3

85INA8 6,1550,91

DTLVS* 3,257,71

OSHA PEL (GEN INDU):8H TWA 2 MG(SN)/M3

CFRGBR 29,1910.1000,94

OSHA PEL (CONSTRUC):8H TWA 2 MG(SN)/M3

CFRGBR 29,1926.55,94

OSHA PEL (SHIPYARD):8H TWA 2 MG(SN)/M3

CFRGBR 29,1915.1000,93

OSHA PEL (FED CONT):8H TWA 2 MG(SN)/M3

CFRGBR 41,50-204.50,94

OEL-AUSTRALIA:TWA 0.1 MG(SN)/M3;SKIN JAN93

OEL-AUSTRALIA:TWA 2 MG/M3 JAN93

OEL-BELGIUM:TWA 2 MG/M3 JAN93

OEL-DENMARK:TWA 2 MG/M3 JAN93

OEL-FINLAND:TWA 2 MG/M3 JAN93

OEL-GERMANY:TWA 2 MG/M3 JAN93

OEL-HUNGARY:TWA 1 MG/M3;STEL 2 MG/M3;SKIN JAN93

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OEL-THE NETHERLANDS:TWA 2 MG/M3 JAN93
OEL-THE PHILIPPINES:TWA 2 MG/M3 JAN93
OEL-SWITZERLAND:TWA 2 MG/M3;STEL 4 MG/M3 JAN93
OEL-THAILAND:TWA 2 MG/M3 JAN93
OEL-UNITED KINGDOM:TWA 5 MG/M3;STEL 10 MG/M3 JAN93
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV
NIOSH REL TO TIN, INORGANIC COMPOUNDS (AS SN)-AIR:10H TWA 2 MG/M3
NIOSH* DHHS #92-100,92
NOHS 1974: HZD 73075; NIS 75; TNF 5511; NOS 65; TNE 50933
NOES 1983: HZD X5926; NIS 4; TNF 40; NOS 6; TNE 770; TFE 203
NOES 1983: HZD X5989; NIS 2; TNF 29; NOS 4; TNE 1982; TFE 725
NOES 1983: HZD X7523; NIS 1; TNF 41; NOS 1; TNE 122
NOES 1983: HZD 73075; NIS 252; TNF 46832; NOS 131; TNE 748577; TFE 237405
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1995
NIOSH ANALYTICAL METHOD, 1994: METALS IN URINE, 8310
OSHA ANALYTICAL METHOD #10-125G

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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