



Metal Profile:

Galvanized Track Products USS--GALVANIZED SHEET-CARBON STEEL HOT
DIPPED, 3A011
GALVANIZED TRACK
Steeltec Supply
134 37th St. N.E.
Auburn, WA. 98002
253.333.1311 Phone
253.333.9249 Fax

U.S. Steel Group Material Safety Data Sheet - NSN: 951500N024872

General Information Company's Name: USS CORP
Company's Street: 600 GRANT ST
Company's P. O. Box: 206
Company's City: PITTSBURGH
Company's State: PA
Company's Country: US
Company's Zip Code: 15230-0206
Company's Emerg Ph #: 412-433-5811
Company's Info Ph #: 412-433-6840
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 01JAN90
Safety Data Review Date: 13JUL95
Supply Item Manager: CX
MSDS Serial Number: BMNXT
Hazard Characteristic Code: N1

Ingredients/Identity Information Proprietary: NO
Ingredient: BASE METAL, CONTAINING INGREDIENT 2.
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: IRON (III) OXIDE. LD50:(ORAL,MOUSE)5.4 GM/KG.

Ingredient Sequence Number: 02
Percent: BALANCE
NIOSH (RTECS) Number: NO7400000
CAS Number: 1309-37-1
OSHA PEL: 10 MG/M3 (FE)
ACGIH TLV: 5 MG/M3(FE),B2; 9293

Proprietary: NO
Ingredient: ALLOYING ELEMENTS, CONTAINING INGREDIENTS 4-8.
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: 999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ALUMINUM
Ingredient Sequence Number: 04
Percent: 0.10MAX
NIOSH (RTECS) Number: BD0330000
CAS Number: 7429-90-5
OSHA PEL: 15MG/M3 DUST;5 FUME
ACGIH TLV: 10MG/M3 DUST

Proprietary: NO
Ingredient: CARBON. % (WT):0.005-0.6.
Ingredient Sequence Number: 05
Percent: INGRED
NIOSH (RTECS) Number: FF5250100
CAS Number: 7440-44-0
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 2 MG/M3 TDUST; 9293

Proprietary: NO
Ingredient: MANGANESE/ LD50:(ORAL,RAT)9 GM/KG. % (WT):0.05-1.5.
Ingredient Sequence Number: 06
Percent: INGRED
NIOSH (RTECS) Number: OO9275000
CAS Number: 7439-96-5
OSHA PEL: (C) 5 MG/M3 DUST
ACGIH TLV: 5 MG/M3 DUST 9293

Proprietary: NO
Ingredient: PHOSPHOROUS (WHITE)
Ingredient Sequence Number: 07
Percent: 0.15MAX
NIOSH (RTECS) Number: TH3500000

CAS Number: 7723-14-0
OSHA PEL: 0.1 MG/M3
ACGIH TLV: 0.1 MG/M3

Proprietary: NO
Ingredient: SULFUR. OSHA PEL:15 MG/M3 TDUST; 5 FUME (MFR).
Ingredient Sequence Number: 08
Percent: 0.05MAX
NIOSH (RTECS) Number: WS4250000
CAS Number: 7704-34-9
OSHA PEL: SEE INGREDIENT NAME
ACGIH TLV: 10 MG/M3 TDUST (MFR)

Proprietary: NO
Ingredient: METALLIC COATING, CONTAINING INGREDIENTS 10-14.
Ingredient Sequence Number: 09
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ALUMINUM
Ingredient Sequence Number: 10
Percent: 0.04MAX
NIOSH (RTECS) Number: BD0330000
CAS Number: 7429-90-5
OSHA PEL: 15MG/M3 DUST;5 FUME
ACGIH TLV: 10MG/M3 DUST

Proprietary: NO
Ingredient: ANTIMONY
Ingredient Sequence Number: 11
Percent: 0.02MAX
NIOSH (RTECS) Number: CC4025000
CAS Number: 7440-36-0
OSHA PEL: 0.5 MG/M3
ACGIH TLV: 0.5 MG/M3

Proprietary: NO
Ingredient: IRON (III) OXIDE. LD50:(ORAL,MOUSE)5.4 GM/KG.
Ingredient Sequence Number: 12
Percent: 0.1-1.5
NIOSH (RTECS) Number: NO7400000
CAS Number: 1309-37-1
OSHA PEL: 10 MG/M3 (FE)
ACGIH TLV: 5 MG/M3(FE),B2; 9293

Proprietary: NO
Ingredient: LEAD
Ingredient Sequence Number: 13
Percent: 0.02MAX
NIOSH (RTECS) Number: OF7525000
CAS Number: 7439-92-1
OSHA PEL: 0.05 MG/M3
ACGIH TLV: 0.15 MG/M3

Proprietary: NO
Ingredient: ZINC OXIDE.
Ingredient Sequence Number: 14
Percent: 8.5-9.9
NIOSH (RTECS) Number: ZH4810000
CAS Number: 1314-13-2
OSHA PEL: 15MG/M3 TDUST/5 FUME
ACGIH TLV: 10MG/M3 TDUST; 9293

Proprietary: NO
Ingredient: SUPP DATA:REPORTED FOR PRODS CONTAINING MANGANESE ONLY. LONG TERM INHALE EXPOS TO HIGH CONCS (OVEREXP) TO (ING 16)
Ingredient Sequence Number: 15
NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO
Ingredient: ING 15:PNEUMOCONIOTIC AGENTS MAY ACT SYNERGISTICALLY W/INHALE OF OXIDES, FUMES/DUSTS OF PROD TO CAUSE TOX EFTS. (ING 17)
Ingredient Sequence Number: 16
NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO
Ingredient: ING 16:OIL COATING:PRLNGD/RPTD CNTCT W/UNPROT SKIN MAY RESULT IN IRRIT. TORCHING/BURNING OPERATIONS ON STEEL (ING 18)
Ingredient Sequence Number: 17
NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO
Ingredient: ING 17:PRODS W/OIL COATING MAY PRDCE EMISSIONS WHICH CAN BE IRRIT TO EYES & RESP TRACT. STEEL PRODS UNDER NORM (ING 19)
Ingredient Sequence Number: 18
NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO
Ingredient: ING 18:CONDS DO NOT PRESENT INHALE, INGEST, CNTCT

HLTH/ENVIRON HAZ. HOWEVER, OPERATIONS SUCH AS BURNING,
WELDING, (ING 20)

Ingredient Sequence Number: 19

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: ING 19:SAWING, BRAZING, GRINDING & POSS MACHINING,
ETC., WHICH RESULT IN ELEVATING TEMP OF PROD TO/ABOVE MELTING
(ING 21)

Ingredient Sequence Number: 20

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: ING 20:POINT/RESULT IN GENERATION OF AIRBORNE
PARTICULATES, MAY PRESENT HLTH HAZ.

Ingredient Sequence Number: 21

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: PROT GLOVES:AS REQ FOR WELDING,BURNING/HNDLG
OPERATIONS. OIL COATING MAY BE USED;WEAR GLOVES WHEN
HNDLG;DO NOT (ING 23)

Ingredient Sequence Number: 22

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: ING 22:CONTINUE TO USE GLOVES/WORK CLTHG THAT HAS
BECOME SATURATED/SOAKED THRU W/OIL COATING.

Ingredient Sequence Number: 23

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: EYE PROT:REQUIRED FOR WELDING, BURNING, SAWING,
BRAZING,GRINDING OR MACHINING OPERATIONS.

Ingredient Sequence Number: 24

NIOSH (RTECS) Number: 9999999ZZ

Physical/Chemical Characteristics Appearance And Odor: METALLIC GRAY SOLID,
NO ODOR.

Boiling Point: N/A

Melting Point: SUPP DATA

Vapor Pressure (MM Hg/70 F): N/A

Vapor Density (Air=1): N/A

Specific Gravity: 7.85

Evaporation Rate And Ref: NOT APPLICABLE

Solubility In Water: NOT SOLUBLE

Percent Volatiles By Volume: N/A

pH: N/A

Fire and Explosion Hazard Data Extinguishing Media: USE MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire And Expl Hazrds: NOT FLAMMABLE OR COMBUSTIBLE. STEEL PRODUCTS IN THE SOLID STATE PRESENT NO FIRE OR EXPLOSION HAZARD AND DO NOT CONTRIBUTE TO THE COMBUSTION OF OTHER MATERIALS.

Reactivity Data Stability: YES

Cond To Avoid (Stability): STABLE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORT.

Materials To Avoid: WILL REACT W/STRONG ACID.

Hazardous Decomp Products: WILL REACT W/STRONG ACID TO LIBERATE HYDROGEN. AT TEMPS >MELTING POINT, MAY LIBERATE FUMES CONTAINING OXIDES (SUPP DATA)

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data LD50-LC50 Mixture: SEE INGREDIENTS

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: NO

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: CHRONIC INHALE OF HIGH CONCS OF IRON OXIDE FUMES/DUSTS MAY LEAD TO BENIGN PNEUMOCONIOSIS (SIDEROSIS). INHALE OF HIGH CONCS OF FERRIC OXIDE MAY POSSIBLY ENHANCE RISK OF LUNG CANCER DEVELOPMENT IN WORKERS EXPSD TO PULM CARCINOGENS. CHRONIC INHALE OF HIGH CONCS/INGEST, OF LEAD HAVE BEEN ASSOC W/BIRTH DEFECTS (EFTS OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: LEAD:GROUP 2B (IARC).

Signs/Symptoms Of Overexp: HLTH HAZ:& BLOOD DISORDERS. INHALE OF HIGH CONCS OF FRESHLY FORMED OXIDE FUMES & DUSTS OF MANGANESE, COPPER, LEAD &/OR ZINC IN RESPIRABLE PARTICLE SIZE RANGE CAN CAUSE INFLUENZA-LIKE ILLNESS TERMED METAL FUME FEVER.TYPICAL SYMPS LAST 12-48 HRS & ARE CHARACT BY METALLIC TASTE IN MOUTH,DRYNESS & IRRIT OF THROAT(SUPP DATA) Med Cond Aggravated By Exp: INDIVIDUALS W/CHRONIC RESPIRATORY DISORDERS (I.E.,ASTHMA, CHRONIC BRONCHITIS, EMPHYSEMA, ETC.) MAY BE ADVERSELY AFFECTED BY ANY FUME OR AIRBORNE PARTICULATE MATTER EXPOSURE.

Emergency/First Aid Proc: INHALE:REMOVE TO FRESH AIR. IF BRTHG DFCLT/STOPPED, GIVE ARTF REPS/O*2 AS INDICATED. GET MD PROMPTLY.

TREAT METAL FUME FEVER BY BED REST & GIVE PAIN & FEVER
REDUCING MEDICATION. SKIN:IF THERMAL BURN OCCURRED,FLUSH AREA
W/COLD WATER. GET MD. FOR MECH ABRASIONS, GET MD.
EYE:FLUSH W/LG AMTS OF WATER TO REMOVE PARTICLES. GET MD.
INGEST:CALL MD IMMEDIATELY (FP N).

Precautions for Safe Handling and Use Steps If Matl Released/Spill: NOT APPLICABLE
TO STEEL IN SOLID STATE.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSE OF I/A/W FEDERAL, STATE AND LOCAL
REGULATIONS (FP N).

Precautions-Handling/Storing: OPERATIONS W/POTNTL FOR GENERATING HIGH
CONCS OF AIRBORNE PARTICULATES SHOULD BE EVALUATED &
CONTROLLED AS NECESSARY.

Other Precautions: AVOID BREATHING METAL FUMES &/OR DUSTS.

Control Measures Respiratory Protection: NIOSH/MSHA APPRVD DUST & FUME
RESPIRATORS SHOULD BE USED TO AVOID EXCESSIVE INHALEATION OF
PARTICULATES. APPROPRIATE RESPIRATOR SELECTION DEPENDS ON THE
MAGNITUDE OF EXPOSURE.

Ventilation: PROVIDE LOCAL EXHST VENT WHEN WELDING, BURNING,
SAWING, BRAZING, GRINDING/MACHINING TO PVNT EXCESSIVE
DUST/FUME EXPOS.

Protective Gloves: PROTECTIVE GLOVES SHOULD BE WORN(ING 22)

Eye Protection: USE CHEMICAL WORKERS GOGGLES AS (ING 24)

Other Protective Equipment: DEPENDING UPON CONDS OF USE & SPECIFIC
WORK SITUATIONS, ADDITIONAL PROT EQUIP &/OR CLTHG MAY BE REQ
TO CONTROL EXPOS.

Work Hygienic Practices: WASH HANDS & ANY AREA OF SKIN AFTER
CONTACT, W/SOAP & WATER OR WATERLESS HAND CLEANER.

Suppl. Safety & Health Data: MP:BASE METAL:2750F; METALLIC
COATING:>800F.

HAZ DECOMP PRODS:OF IRON & ALLOYING ELEMENTS. EFTS OF
OVEREXP:FOLLOWED BY WEAKNESS, MUSCLE PAIN, FEVER & CHILLS.
CONTINUOUS EXPOS TO HIGH CONCS OF MANGANESE CAN CAUSE CNS
DISORDERS & "MANGANESE PNEUMONIA".FIBROSIS OF LUNG TISS FROM
MANGANESE EXPOS HAS ALSO BEEN (ING 15)

Transportation Data Trans Data Review Date: 92122

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF
TRANSPORTATION

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF
TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF
TRANSPORTATION

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Additional Trans Data: NOT REGULATED FOR TRANSPORTATION

Disposal Data

Label Data Label Required: YES

Technical Review Date: 28JAN92

Label Status: G

Common Name: GALVANIZED SHEET-CARBON STEEL HOT DIPPED, 3C012

Chronic Hazard: YES

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-Slight: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: OPS W/POTNTL FOR GENERATING HIGH CONCS OF AIRBORNE PARTICULATES SHOULD BE EVAL,CONTROLLED AS NEC.AVOID BRTHG METAL FUMES. NOTE: STEEL PRODS UNDER NORM CONDS DO NOT PRESENT INHALE,INGEST,CNTCT, HLTH/ENVIRON HAZ.BUT OPS-BURNING,WELDING,SAWING,BRAZING,GRINDING, POSS MACHINING,ETC.-WHICH RESULT IN ELEVATING TEMP OF PROD TO/ABOVE MELT POINT/GENERATE AIRBORNE PARTICULATES MAY PRESENT HLTH HAZ. ACUTE:PRLNGD/RPTD CNTCT W/OIL COAT MAY RESULT IN SKIN IRRIT.OIL EMISSIONS FROM BURNING/TORCHING CAN IRRIT EYES,RESP TRACT.

CHRONIC:INHALE OF HIGH CONCS OF FUMES, DUSTS MAY LEAD TO SIDEROSIS,LUNG CANCER,LUNG FIBROSIS,METAL FUME FEVER, BIRTH DEFECTS,BLOOD DISORDERS.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: USS CORP

Label Street: 600 GRANT ST

Label P.O. Box: 206

Label City: PITTSBURGH

Label State: PA

Label Zip Code: 15230-0206

Label Country: US

Label Emergency Number: 412-433-5811