

# Material Safety Data Sheet

## GALVANIZED STEEL PRODUCTS

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**FSC:** 9520  
**NIIN:** 00N043387  
**NSN:** 952000N0433877  
**MANUFACTURERS CAGE:** 70983  
**PART NO INDICATOR:** A  
**PART NUMBER TRADE NAME:** GALVANIZED STEEL PRODUCTS

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### General Information

**ITEM NAME:**  
**MANUFACTURERS NAME:** GRABBER CONSTRUCTION PRODUCTS  
**MANUFACTURERS STREET:** 205 MASON CIRCLE  
**MANUFACTURERS P O BOX:**  
**MANUFACTURERS CITY:** CONCORD  
**MANUFACTURERS STATE:** CA  
**MANUFACTURERS COUNTRY:** US  
**MANUFACTURERS ZIP CODE:** 94520  
**MANUFACTURERS EMERG PH:** 925-680-0777  
**MANUFACTURERS INFO PH:** 925-680-0777  
**DISTRIBUTOR VENDOR 1:**  
**DISTRIBUTOR VENDOR 1 CAGE:**  
**DISTRIBUTOR VENDOR 2:**  
**DISTRIBUTOR VENDOR 2 CAGE:**  
**DISTRIBUTOR VENDOR 3:**  
**DISTRIBUTOR VENDOR 3 CAGE:**  
**DISTRIBUTOR VENDOR 4:**  
**DISTRIBUTOR VENDOR 4 CAGE:**  
**SAFETY DATA ACTION CODE:**  
**SAFETY FOCAL POINT:** N  
**RECORD NO FOR SAFETY ENTRY:** 001  
**TOT SAFETY ENTRIES THIS STK:** 001  
**STATUS:** SMJ  
**DATE MSDS PREPARED:** 01NOV90  
**SAFETY DATA REVIEW DATE:** 03JUN97  
**SUPPLY ITEM MANAGER:**  
**MSDS PREPARERS NAME:**  
**PREPARERS COMPANY:**  
**PREPARERS ST OR P O BOX:**  
**PREPARERS CITY:**  
**PREPARERS STATE:**  
**PREPARERS ZIP CODE:**  
**OTHER MSDS NUMBER:**  
**MSDS SERIAL NUMBER:** CDWHP  
**SPECIFICATION NUMBER:**  
**SPEC TYPE GRADE CLASS:**  
**HAZARD CHARACTERISTIC CODE:**  
**UNIT OF ISSUE:**  
**UNIT OF ISSUE CONTAINER QTY:**  
**TYPE OF CONTAINER:**

**NET UNIT WEIGHT:**  
**NRC STATE LICENSE NUMBER:**  
**NET EXPLOSIVE WEIGHT:**  
**NET PROPELLANT WEIGHT AMMO:**  
**COAST GUARD AMMUNITION CODE:**

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#### Physical & Chemical Characteristics

**APPEARANCE AND ODOR:** SOLID, SHINY METAL; ODORLESS.  
**BOILING POINT:** N/A  
**MELTING POINT:** 2800F,1538C  
**VAPOR PRESSURE MM HG 70 F:** N/A  
**VAPOR DENSITY AIR 1:** N/A  
**SPECIFIC GRAVITY:** 7.6-7.8  
**DECOMPOSITION TEMPERATURE:** N/K  
**EVAPORATION RATE AND REF:** NOT APPLICABLE  
**SOLUBILITY IN WATER:** NOT APPLICABLE  
**PERCENT VOLATILES BY VOLUME:** N/A  
**VISCOSITY:**  
**PH:** N/A  
**RADIOACTIVITY:**  
**FORM RADIOACTIVE MATL:**  
**MAGNETISM MILLIGAUSS:**  
**CORROSION RATE IPY:** N/K  
**AUTOIGNITION TEMPERATURE:**

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#### Fire and Explosion Hazard Data

**FLASH POINT:** N/K  
**FLASH POINT METHOD:** N/P  
**LOWER EXPLOSIVE LIMIT:** N/K  
**UPPER EXPLOSIVE LIMIT:** N/K  
**EXTINGUISHING MEDIA:** MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).  
**SPECIAL FIRE FIGHTING PROC:** USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).  
**UNUSUAL FIRE AND EXPL HAZRDS:** NOT APPLICABLE

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#### Reactivity Data

**STABILITY:** YES  
**COND TO AVOID (STABILITY):** NONE SPECIFIED BY MANUFACTURER.  
**MATERIALS TO AVOID:** ACIDS.  
**HAZARDOUS DECOMP PRODUCTS:** WELDING/BURNING ON PROD MAY CAUSE GENERATION OF VARIETY OF NOXIOUS FUMES & GASES(CARBON MONOXIDE, ZINC OXIDE FUME, ETC).  
**HAZARDOUS POLY OCCUR:** NO  
**CONDITIONS TO AVOID POLY:** NOT RELEVANT

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#### Health Hazard Data

**LD50 LC50 MIXTURE:** NONE SPECIFIED BY MANUFACTURER.  
**ROUTE OF ENTRY INHALATION:** YES  
**ROUTE OF ENTRY SKIN:** YES  
**ROUTE OF ENTRY INGESTION:** YES  
**HEALTH HAZ ACUTE AND CHRONIC:** STEEL PRODS IN THEIR USUAL PHYSICAL FORM DO NOT POSE ANY HLTH HAZS. HOWEVER, WHEN SUBJECTED TO WELDING, BURNING, GRINDING, CUTTING, ABRASIVE BLASTING, HEAT TREATMENT, PICKLING/SIMILAR OPERATIONS, POTNTLY

HAZ FUMES/DUSTS MAY BE EMITTED. ING 2: BENIGN LUNG CNDTN KNOWN AS SILICOSIS. ING 3: MINOR IRRITS TO (EFTS OF OVEREXP)

**CARCINOGENICITY NTP:** YES

**CARCINOGENICITY IARC:** YES

**CARCINOGENICITY OSHA:** NO

**EXPLANATION CARCINOGENICITY:** NICKEL: IARC MONO ON EVAL OF CARCIN RISK OF CHEMS TO MAN, VOL 49, PG 257, 1990: GRP 2B. NTP 7TH ANNUAL RPT ON (SUPP DATA)

**SIGNS SYMPTOMS OF OVEREXP:** HLTH HAZ: EYES & RESP TRACT. MAY ADVERSELY EFT CNS; WEAK IN LOWER EXTREMS, SLEEPINESS, SALIVATION, NERVOUSNESS, APATHY, SEV MUSCULAR INCOORD, IMPAIRED SPEECH, APASTIC WALKING, MASK-LIKE FACIAL EXPRESSION & UNCONTROLLABLE LAUGHTER. METAL FUME FEVER; FLU-LIKE SYNDROME-DIZZ, CHILLS, FEVER, HDCH & NAUS. INCR (ING 11)

**MED COND AGGRAVATED BY EXP:** CHRONIC DISEASES OR DISORDERS OF THE RESPIRATORY SYSTEM.

**EMERGENCY FIRST AID PROC:** INGEST: CALL MD IMMEDIATELY (FP N). INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O\*2/ARTF RESP) (FP N). REMOVE FROM EXCESSIVE EXPOSURE LEVELS UNLESS PROPER NIOSH APPROVED RESPIRATORY PROTECTION IS WORN. EYES: IMMEDIATELY FLUSH W/POTABLE WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD (FP N). SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD (FP N).

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#### Precautions for Safe Handling and Use

**STEPS IF MATL RELEASED SPILL:** NOT APPLICABLE

**NEUTRALIZING AGENT:** NONE SPECIFIED BY MANUFACTURER.

**WASTE DISPOSAL METHOD:** ANY EXCESS PRODUCT CAN BE RECYCLED FOR FURTHER USE, DISPOSED OF IN A PERMITTED HAZARDOUS WASTE LANDFILL OR DISPOSED BY OTHER METHODS WHICH ARE I/A/W LOCAL, STATE & FEDERAL REGULATIONS.

**PRECAUTIONS HANDLING STORING:** ARC OR SPARK GENERATED WHEN WELDING OR BURNING ON THESE PRODUCTS COULD BE A SOURCE OF IGNITION FOR COMBUSTIBLE OR FLAMMABLE MATERIALS.

**OTHER PRECAUTIONS:** NONMETALLIC COATINGS MAY BE APPLIED (OFTEN AT CUSTOMER'S REQUEST TO SURF OF STEEL PRODS. THESE ARE USUALLY CLASSIFIED AS PROT COATINGS/LUBRICANTS. FOR GALVANIZED PRODS, TYPICAL NONMETALLIC COATINGS ARE RUST PREVENTIVE OILS, CHROMATE(SUPDAT)

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#### Control Measures

**RESPIRATORY PROTECTION:** WHEN ENGINEERING CONTROLS ARE NOT SUFFICIENT TO LOWER EXPOSURE LEVELS BELOW APPLICABLE EXPOSURE LIMIT, USE A NIOSH APPROVED RESPIRATOR FOR DUSTS & METAL FUME W/IN THE USE LIMITS OF THE RESPIRATOR.

**VENTILATION:** VENTILATION SHOULD BE SUFFICIENT TO MAINTAIN EXPOSURE LEVELS BELOW THE APPLICABLE EXPOSURE LIMIT.

**PROTECTIVE GLOVES:** IMPERVIOUS GLOVES (FP N).

**EYE PROTECTION:** ANSI APPROVED CHEM WORKERS GOGGS (FP N).

**OTHER PROTECTIVE EQUIPMENT:** EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N).

**WORK HYGIENIC PRACTICES:** NONE SPECIFIED BY MANUFACTURER.

**SUPPL SAFETY HEALTH DATA:** EXPLAN OF CARCIN: CARCINS, 1994: ANTIC TO BE CARCIN. ANIMAL: LUNGS, NASAL CAVITIES. OTHER PREC: TREATMENT/PHOSPHATE, BORAX & STEARATE SOAPS. POSS PRESENCE OF THESE COATINGS SHOULD BE RECOGNIZED & CONSIDERED WHEN EVAL POTNTL EMPLOYEE HLTH HAZS & EXPOS DURING WELDING/OTHER DUST/FUME GENERATING ACTIVITIES.

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#### Transportation Data

**TRANSPORTATION ACTION CODE:**  
**TRANSPORTATION FOCAL POINT:**  
**TRANS DATA REVIEW DATE:**  
**DOT PSN CODE:**  
**DOT SYMBOL:**  
**DOT PROPER SHIPPING NAME:**  
**DOT CLASS:**  
**DOT ID NUMBER:**  
**DOT PACK GROUP:**  
**DOT LABEL:**  
**DOT DOD EXEMPTION NUMBER:**  
**IMO PSN CODE:**  
**IMO PROPER SHIPPING NAME:**  
**IMO REG PAGE NUMBER:**  
**IMO UN NUMBER:**  
**IMO UN CLASS:**  
**IMO SUBSID RISK LABEL:**  
**IATA PSN CODE:**  
**IATA UN ID NUMBER:**  
**IATA PROPER SHIP NAME:**  
**IATA UN CLASS:**  
**IATA SUBSID RISK CLASS:**  
**IATA LABEL:**  
**AFI PSN CODE:**  
**AFI SYMBOLS:**  
**AFI PROP SHIPPING NAME:**  
**AFI CLASS:**  
**AFI ID NUMBER:**  
**AFI PACK GROUP:**  
**AFI LABEL:**  
**AFI SPECIAL PROV:**  
**AFI BASIC PAC REF:**  
**MMAC CODE:**  
**N O S SHIPPING NAME:**  
**ADDITIONAL TRANS DATA:**

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**Disposal Data**

**DISPOSAL DATA ACTION CODE:**  
**DISPOSAL DATA FOCAL POINT:**  
**DISPOSAL DATA REVIEW DATE:**  
**RECNUM FOR THIS DISP ENTR:**  
**TOT DISP ENTRIES PER NSN:**  
**LANDFILL BAN ITEM:**  
**DISPOSAL SUPPLEMENTAL DAT:**  
**EPAHAZWST 1ST CODE NEW:**  
**EPAHAZWST 1ST NAME NEW:**  
**EPAHAZWST 1ST CHAR NEW:**  
**EPAACUTEHAZARD 1ST NEW:**  
**EPAHAZWST 2ND CODE NEW:**  
**EPAHAZWST 2ND NAME NEW:**  
**EPAHAZWST 2ND CHAR NEW:**  
**EPAACUTEHAZARD 2ND NEW:**

**EPAHAZWST 3RD CODE NEW:**  
**EPAHAZWST 3RD NAME NEW:**  
**EPAHAZWST 3RD CHAR NEW:**  
**EPAACUTE 3RD HAZARD NEW:**

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**Label Data**

**LABEL REQUIRED:** YES  
**TECHNICAL REVIEW DATE:** 24JUN97  
**LABEL DATE:** 03JUN97  
**MFR NUMBER:**  
**LABEL STATUS:** G  
**COMMON NAME:** GALVANIZED STEEL PRODUCTS  
**CHRONIC HAZARD:** YES  
**SIGNAL WORD:** CAUTION!  
**ACUTE HEALTH HAZARD NONE:**  
**ACUTE HEALTH HAZARD SLIGHT:** X  
**ACUTE HEALTH HAZARD MODERATE:**  
**ACUTE HEALTH HAZARD SEVERE:**  
**CONTACT HAZARD NONE:**  
**CONTACT HAZARD SLIGHT:** X  
**CONTACT HAZARD MODERATE:**  
**CONTACT HAZARD SEVERE:**  
**FIRE HAZARD NONE:** X  
**FIRE HAZARD SLIGHT:**  
**FIRE HAZARD MODERATE:**  
**FIRE HAZARD SEVERE:**  
**REACTIVITY HAZARD NONE:** X  
**REACTIVITY HAZARD SLIGHT:**  
**REACTIVITY HAZARD MODERATE:**  
**REACTIVITY HAZARD SEVERE:**  
**SPECIAL HAZARD PRECAUTIONS:** STEEL PRODUCTS IN THEIR USUAL PHYSICAL FORM DO NOT POSE ANY HEALTH HAZARDS. HOWEVER, WHEN SUBJECTED TO WELDING, BURNING, GRINDING, CUTTING, ABRASIVE BLASTING, HEAT TREATMENT, PICKLING OR SIMILAR OPERATIONS, POTENTIALLY HAZARDOUS FUMES OR DUSTS MAY BE EMITTED. ACUTE: FUMES GENERATED CAN IRRITATE EYES AND RESPIRATORY TRACT AND MAY AFFECT CENTRAL NERVOUS SYSTEM. SKIN CONTACT CAN CAUSE DERMATITIS. METAL FUME FEVER CAN OCCUR FROM EXPOSURE WITH FLU LIKE SYMPTOMS. CHRONIC: CANCER HAZARD. NICKEL IS LISTED AS AN ANIMAL NASAL CARCINOGEN (FP N). OVEREXPOSURE MAY AFFECT LUNG FUNCTION.  
**PROTECT EYE:** Y  
**PROTECT SKIN:** Y  
**PROTECT RESPIRATORY:** Y  
**LABEL NAME:** GRABBER CONSTRUCTION PRODUCTS  
**LABEL STREET:** 205 MASON CIRCLE  
**LABEL P O BOX:**  
**LABEL CITY:** CONCORD  
**LABEL STATE:** CA  
**LABEL ZIP CODE:** 94520  
**LABEL COUNTRY:** US  
**LABEL EMERGENCY NUMBER:** 925-680-0777  
**YEAR PROCURED:**

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