

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-127/12713-03-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

12713-03-0

**Code:**

M

**RTECS:**

**Code:**

X

**Name:**

IRON OXIDE

**Other REC Limits:**

N/K

**OSHA PEL:**

10 MG/M3 T DUST

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

10 MG/M3 T DUST

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

OUTDOORS: NIOSH/MSHA APPROVED MECH FILTER RESP. (SPRAY APPL). INDOORS: NIOSH/MSHA APPROVED CHEM/MECH FILTER RESP. CONFINED AREAS: NIOSH/MSHA APPROVED AIRLINE RESP OR HOOD.

**Ventilation:**

PROVIDE GEN DILUTION/LOCAL EXHST VENT IN VOL AND PATTERN TO KEEP TLV OF MOST HAZ INGRED BELOW ACCEPTABLE LIMIT. 7

**Protective Gloves:**

SOLVENT RESISTANT GLOVES

**Eye Protection:**

CHEMICAL WORKERS GOGGLES (FP N)

**Other Protective Equipment:**

Equipment NONE SPECIFIED BY MANUFACTURER. EMERGENCY EYE WASH AND DELUGE SHOWER (FP-N).

**Work Hygienic Practices:**

AVOID BREATHING OF VAPOR OR SPRAY MIST. AVOID CONTACT WITH EYES AND SKIN. DO NOT TAKE INTERNALLY.

**Supplemental Safety and Health:**

FIREFIGHTING PROC: H2O APPLIED W/FOG NOZZLE MAY BE USED TO COOL CLOSED CNTNRS TO PVNT PRESS BUILDUP AND POSS AUTO-IGNIT/EXPLO WHEN EXPOS TO EXTREME HEAT. OTHER PREC: PRLNG/RPTD CONT OF LIQ/BREATHING OF VAPORS MAY CAUSE DELAYED AND SERIOUS INJURY. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE ONLY W/ADEQ VENT.

## Health Hazards Data

**LD50/LC50/Mixture:**

SEE INGREDIENTS

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

YES

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

INHAL:(ACUTE)CAN CAUSE IRRIT OF RESP TRACT/ACUTE NERVOUS SYS DEPRESS CHARACTERIZED BY HDCH,DIZZ,STAG GAIT,CONFUS,UNCON/COMA.EYE: MAY CAUSE SEV IRRIT.INGEST:CAN CAUSE GI IRRIT,NAUS,DIARR&POSS VOMIT.ASP IR OF MATL INTO LUNGS CAN CAUSE PNEUMIT WHICH CAN BE FATAL.(CHRONIC):RPTD/PRLNG OCCUP OVEREXPOS TO (SEE SIGNS & SYMP)

**Explanation Of Carcinogenicity:**

CARBON BLACK, CLASS 2B, (IARC).

**Signs And Symptoms Of Overexposure:**

HLTH HAZARDS: VAPORS MAY AFFECT THE CNS AND CAUSE RESP IRRIT, AND MAY CAUSE LIVER AND KIDNEY DAMAGE. SKIN: ABSORPTION THROUGH SKIN MAY BE HARMFUL. REPORTS HAVE ASSOCIATED RPTD AND PRLNGD EXPOS TO SOLV ENTS W/PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

**Medical Cond Aggravated By Exposure:**

MAY AGGRAVATE PREEXISTING SKIN, EYES, AND RESPIRATORY DISORDERS.

**First Aid:**

INHAL: REMOVE FROM EXPOS. RESTORE BREATHING. KEEP WARM AND QUIET. NOTIFY MD. EYES: FLUSH IMMED WITH COPIOUS QUANTITIES OF WATER FOR AT LEAST 15 MINUTES.SEE MD FOR TREATMENT. SKIN: WASH AFFECTED AREA WIT H WATER. REMOVE CONTAM CLTHNG. SEE MD.INGEST: DO NOT INDUCE VOMIT, SEE MD OR POISON CONTROL CENTER IMMED.

**Spill Release Procedures:**

REMOVE ALL SOURCES OF IGNIT (FLAMES, HOT SURF, AND ELEC, STATIC/FRICTION SPARKS). AVOID BREATHING VAPORS. VENT AREA. REMOVE W/INERT ABSORB AND NON-SPARKING TOOLS. TRANSFER TO APPROP CNTNR FOR DISP. KEEP OUT OF SEWER, STORM DRAINS, SURF H\*20 AND SOIL.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

6 DISPOSAL MUST BE I/A/W FEDERAL, STATE AND LOCAL REGULATIONS (FP N). INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS.

**Handling And Storage Precautions:**

DO NOT STORE ABOVE 120F. STORE LGE QTYS IN BLDGS FOR STOR OF NFPA CLASS 1B FLAMM LIQUIDS.

**Other Precautions:**

CNTNRS SHOULD BE GROUNDED WHEN POURING. DO NOT FLAME CUT, BRAZE, WELD W/O MSHA/NIOSH APPROVED RESP/APPROV VENT.

WARNING: FLAMM. VAPOR HARMFUL. MAY CAUSE EYE BURNS. MAY CAUSE IRRIT. HEATING FORMS HAZ VAP OR. (SEE SUPP DATA)

## Fire and Explosion Hazard Information

**Flash Point Method:**

SCC

**Flash Point:**

**Flash Point Text:**

43.0F,6.1C

**Autoignition Temp:**

N/A

**Lower Limits:**

SEE INGRED

**Upper Limits:**

9/K

**Extinguishing Media:**

DRY CHEMICAL, CO\*2, OR WATER SPRAY.

**Fire Fighting Procedures:**

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). REMOVE SOURCES OF IGNIT.

**Unusual Fire/Explosion Hazard:**

KEEP CNTNRS TIGHTLY CLOSED. ISOLATE FROM HEAT,ELEC EQUIP,SPARKS&OPEN FLAME. CLOSED CNTNRS MAY EXPLODE WHEN EXPOS TO EXTREME HEAT. DO NOT APPLY TO HOT SURFACES.

## Physical/Chemical Properties

**HCC:**

**NRC/State Lic No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

175F,79C

**Melt/Freeze Pt:**

N/K

**Decomp Temp:**

N/K

**Vapor Pres:**

N/K

**Vapor Density:**

>AIR

**Volatile Org Content %:**

SEE INGRED

**Spec Gravity:**

1.27

**VOC Pounds/Gallon:**

N/K

**PH:** N/K

**VOC Grams/Liter:**

N/K

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

8

**Solubility in Water:**

N/K

**Appearance and Odor:**

N/K

**Percent Volatiles by Volume:**

50.9

**Corrosion Rate:**

N/K

## Reactivity Data

**Stability Indicator:**

YES

**Excessive Heat, Sparks, Open Flame:**

EXCESSIVE HEAT, SPARKS, OPEN FLAME.

**Materials To Avoid:**

AVOID CONTAMINATION WITH ALKALINES AND STRONG ACIDS.

**Hazardous Decomposition Products:**

ACRID FUMES. SMOKE AND CARBON MONOXIDE AND/OR CARBON DIOXIDE AND POSSIBLY FORMALDEHYDE.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NOT RELEVANT

## Toxicological Information

**Information:**

N/P

## MSDS Transport Information

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Other Information:**

N/P

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