

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-513/513-77-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
513-77-9
Code:
M

RTECS:
CQ8600000
Code:
M

Name:
BARIUM CARBONATE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED EXPOSURE LIMITS.

Ventilation:
USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC OR BOTH, TO KEEP FUMES AND GASES FROM WORKER'S BREATHING ZONE.

Protective Gloves:
WELDER'S GLOVES

Eye Protection:
HELMET OR FACE SHIELD WITH FILTER LENSES

Other Protective Equipment:
Equipment ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, AS WELL AS SUBSTANTIAL DARK CLOTHING.

Work Hygienic Practices:
TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WORK AND GROUND.

Supplemental Safety and Health:
THE COMPOSITION AND QUANTITY OF WELDING FUMES AND GASES ARE DEPENDENT UPON THE METAL BEING WELDED, THE PROCESS, PROCEDURE AND ELECTRODES USED. ONE RECOMMENDED WAY TO DETERMINE THE COMPOSITION AND QUAN TITY OF FUMES AND GASES TO WHICH WORKERS ARE EXPOSED IS TO TAKE AN AIR SAMPLE FROM INSIDE THE WELDER'S HELMET.

Health Hazards Data

LD50LC50Mixture:
TLV 5 MG/M3 FOR WELDING FUMES 3

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
PRODUCT IS NONHAZARDOUS AS STORED/SHIPPED. HAZARD OCCURS WHEN USED IN WELDING PROCESS. ELECTRIC ARC WELDING MAY CREATE FUMES AND GASES THAT MAY BE DANGEROUS TO HEALTH. ARC RAYS CAN INJURE EYES AND BUR N SKIN. ELECTRIC SHOCK CAN KILL.

Explanation Of Carcinogenicity:
CONTAINS NICKEL WHICH IS LISTED AS CARCINOGENIC BY THE MANUFACTURER.

Signs And Symptions Of Overexposure:
SHORT TERM OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DIZZINESS, NAUSEA, DRYNESS OR IRRITATION OF NOSE/THROAT/EYES, TIGHTNESS IN CHEST, FEVER AND ALLERGIC REACTIONS. CHRONIC EXPOSURE MAY LEAD TO SIDE ROSIS (IRON DEPOSITS IN LUNGS), IMPAIRED PULMONARY FUNCTION.

Medical Cond Aggravated By Exposure:
PRE-EXISTING RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE TO WELDING FUMES DURING USE OF THIS PRODUCT.

First Aid:
REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

Spill Release Procedures:
COLLECT SPILLED MATERIAL FOR REUSE/DISPOSAL.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:
PRODUCT IS NONHAZARDOUS AS STORED/SHIPPED. HAZARD OCCURS WHEN PRODUCT IS USED IN WELDING PROCEDURES.

Other Precautions:
USEEE EXHAUST SYSTEM TO CLEAR WELDING FUMES. MAKE SURE THAT INHALED AIR DOES NOT CONTAIN FUME CONSTITUENTS ABOVE PERMISSIBLE EXPOSURE LEVELS.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONFLAMMABLE

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
NOT GIVEN

Upper Limits:
NOT GIVEN

Extinguishing Media:
NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE. 4

Fire Fighting Procedures:
NONFLAMMABLE. USE PROCEDURES SUITABLE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:
WELDING ARC ANS SPARKS CAN IGNITE COMBUSTIBLES. REFER TO AMERICAN NATIONAL STANDARD Z49.1 FOR FIRE PREVENTION DURING THE USE OF WELDING AND ALLIED PROCEDURES.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
NOT GIVEN

Melt / Freeze Pt:

M.P/F.P Text:
NOT GIVEN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
NOT GIVEN

Vapor Density:
NOT GIVEN

Volatile Org Content %:

Spec Gravity:
NOT GIVEN

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
NOT GIVEN

Solubility in Water:
NEGLEGIBLE 5

Appearance and Odor:
CAST IRON ELECTRODE

Percent Volatiles by Volume:
NIL

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:
OXIDES OF IRON, COMPLEX OXIDES OF MANGANESE, SILICON, CHROMIUM, MOLYBDENUM ALONG WITH FLUORIDES, CARBON MONOXIDE

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE. WILL NOT OCCUR.

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