

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-659/65996-61-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

65996-61-4

Code:

M

RTECS:

Code:

X

Name:

CELLULOSE AND OTHER CARBOHYDRATES

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:

USE GENERAL & LOCAL EXHAUST AT FLAME TO KEEP FUMES AND GASES BELOW TLV'S IN THE WORKER'S BREATHING ZONE & GENERAL AREA.

Protective Gloves:

FLAME-PROOF WELDING GLOVES WHEN WELDING

Eye Protection:

HELMET/FACE SHIELD WITH DARK FILTER LENS

Other Protective Equipment:

Equipment EYE WASH STATION, SAFETY SHOWER, HEAD, HAND & BODY PROTECTION TO PREVENT INJURY FROM RADIATION, SPARKS & ELECTRIC SHOCK.

Work Hygienic Practices:

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING.

Supplemental Safety and Health:

N/P

Health Hazards Data

LD50/LC50 Mixture:

LD50 (ORAL RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO 3

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

TARGET ORGANS: LUNGS, CNS, EYES, SKIN. ACUTE- FUMES, GASES, DUSTS MAY CAUSE EYES, NOSE, THROAT, LUNGS IRRITATION. SOME TOXIC GASES MAY CAUSE PULMONARY EDEMA, ASPHYXIATION, DEATH. CHRONIC- ACCUMULATION OF IRON COMPOUNDS IN LUNGS, REDUCED LUNG FUNCTION/DISEASE. MANGANESE COMPOUNDS MAY AFFECT CENTRAL NERVOUS SYSTEM.

Explanation Of Carcinogenicity:

CONTAINS QUARTZ. SKIN CANCER HAS BEEN REPORTED, PER MSDS.

Signs And Symptoms Of Overexposure:

IRRITATION, DIZZINESS, WATERY EYES, HEADACHE, NAUSEA, BREATHING DIFFICULTY, COUGHING, CHEST PAINS, FEVER, BODY ACHE, CHILLS. ARC RAYS CAN INJURE EYES & BURN SKIN. ELECTRIC SHOCK CAN KILL. IR RADIATION CAN INJURE EYES.

Medical Cond Aggravated By Exposure:

PERSONS WITH IMPAIRED PULMONARY FUNCTION, AIRWAY DISEASES AND CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, CHRONIC BRONCHITIS, ETC... CAN BE AGGRAVATED BY THE EXPOSURE.

First Aid:

GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY RED CROSS. IF BREATHING IS DIFFICULT, PROVIDE OXYGEN AND CALL PHYSICIAN. PROVIDE CPR IF NEEDED. FOR ELECTRIC SHOCK, DISCONNECT POWER. FOR ARC BURNS, APPLY COLD, CLEAN COMPRESSES AND CALL A PHYSICIAN. INGESTION IS UNLIKELY.

Spill Release Procedures:

IN SOLID FORM THIS MATERIAL POSES NO SPECIAL CLEAN-UP PROBLEMS.

Neutralizing Agent:

NOT RELEVANT

Waste Disposal Methods:

PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. KEEP PERSONNEL AWAY. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:

STORE IN DRY AREA AWAY FROM ACIDS.

Other Precautions:

AVOID BREATHING OF FUMES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING. KEEP OUT OF REACH OF CHILDREN.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NONE

Autoignition Temp:

N/R

Lower Limits:

NOT RELEVANT

Upper Limits:

NOT RELEVANT

Extinguishing Media:

USE CHEMICAL OR SAND FOR MOLTEN METALS. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:

THIS PRODUCT WILL NOT BURN. HOWEVER, WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLE AND FLAMMABLE MATERIALS.

Physical/Chemical Properties

H1C:

N1

NRC/State Lic No:

NOT RELEVANT

Net Prop Wt For Ammo:

N/A

Boiling Point:

N/R

B.P. Text:

N/R

Melt/Freeze Pt:

N/R

M.P./F.P. Text:

UNKNOWN

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

UNKNOWN

Spec Gravity:

UNKNOWN

VOC Pounds/Gallon:

UNKNOWN

PH:

N/R

VOC Grams/Liter:

UNKNOWN

Viscosity:

NOT RELEVANT

Evaporation Rate & Reference:

NOT RELEVANT

Solubility in Water:

INSOLUBLE

Appearance and Odor:

SOLID, WELDING ELECTRODE 5

Percent Volatiles by Volume:

N/R

Corrosion Rate:

N/R

Reactivity Data

Stability Indicator:

YES

Welding Arcs:

NOT RELEVANT

Acids To Avoid:

ACIDS

Hazardously Decomposition Products:

PRIMARILY IRON OXIDE, SECONDARILY COMPLEX OXIDES OF MANGANESE, POTASSIUM, SILICON, SODIUM AND TITANIUM

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

Other Information:

N/P

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