MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-900/9003-31-0.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
9003-31-0
Code:
M

RTECS:

Code:
X

Name:
RUBBER (NATURAL AND GRS)

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134. INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION. USE MESA /OSHA RESPIRATOR WHEN CUTTING & GRINDING

Ventilation:
CHECK GOVERNMENT STANDARDS OF EMISSION CONTROL.

Protective Gloves:
COTTON OR IMPERVIOUS TYPE IF CUT/GRIND.

Eye Protection:
SAFETY GOGGLES OR GLASSES

Other Protective Equipment:
Equipment SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. DO NOT SMOKE.

Supplemental Safety and Health:
DO NOT TAKE PROTECTIVE GEAR OR CLOTHING HOME IS EXPOSED TO DUST.

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
YES

Health Hazards Acute And Chronic:
ACUTE:DUST MAY CAUSE SKIN/EYE IRRITATION. CHRONIC:OVEREXPOSURE TO ASBESTOS MAY LEAD TO NUMEROUS RESPIRATORY PROBLEMS ASSOCIATED WITH ASBESTOSIS. OVEREXPOSURE TO THIS METALLIC FORMULATION CAN CAUSE ALL ERGIC DERMATITIS, FUME FEVER, FLU-LIKE SYMPTOMS, METALLIC TASTE AND IRRITATION SYMPTOMS, NAUSEA, MUSCLE PAIN.

Explanation Of Carcinogenicity:
ASBESTOS AND NICKEL/NICKEL COMPOUNDS ARE RECOGNIZED HUMAN CARCINOGEN AND ARE LISTED BY IARC, NTP OR OSHA AS CARCINOGENS

Signs And Symptoms Of Overexposure:
ASBESTOSIS IS ASSOCIATED WITH SYMPTOMS OF LABORED BREATHING, CHEST PAIN AND CHEST TIGHTNESS. SYMPTOMS ARE NOT USUALLY MANIFEST UNTIL 15-20 YEARS AFTER EXPOSURE. METAL FUME FEVER WITH FLU LIKE SYMPTO MS (CHILLS AND FEVER - SHOULD DISAPPEARWITHIN 24-48 HOURS). HIGH TEMPERATURE AND GRINDING OPERATIONS MAY BE IRRITATING

Medical Cond Aggravated By Exposure:
PERSONS WITH A HISTORY OF RESPIRATORY DISORDERS AND SMOKING MAY BE AT INCREASED RISK FROM EXPOSURE. CHRONIC EFFECTS OF ASBESTOS EXPOSURE (ASBESTOSIS, MESOTHELIOMA ETC.) MAY NOT SHOW UP FOR 10-20 YEARS

First Aid:
EYE/SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. INGESTION IS NOT LIKELY BUT LARGE AMOUNTS CAN CAUSE PROBLEMS-SEEK MEDICAL HELP . DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE. 6

Spill Release Procedures:
VACUUM OR WASH DOWN. DO NOT DRY SWEEP AS THIS COULD RESULT IN HIGH CONCENTRATIONS OF AIRBORNE DUST.

Neutralizing Agent:
NONE

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS FOR PROPER ASBESTOS DISPOSAL. ALL WASTE MATERIALS MUST BE SEALED AND BAGGED.

Handling And Storage Precautions:
AVOID CREATING AIRBORNE DUST. WET SURFACES/FLOORS BEFORE SWEEPING AND USE APPROPRIATE DUST MASK. STORE AWAY FROM SOURCES OF DIRECT HEAT IN A DRY AREA.

Other Precautions:
USE DUST SUPPRESSION MEASURES-AVOID CREATION OF PARTICULATE ASBESTOS. WASH THOROUGHLY BEFORE EATING OR SMOKING. AVOID BREATHING OF DUST. MEDICAL SURVEILLANCE IS REQUIRED FOR PROLONGED EXPOSURE TO THIS MATERIAL.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/R

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:
FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:
FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. 7

Physical/Chemical Properties

HCC:
T6

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/R

Melt/Freeze Pt:

M.P/F.P Text:
N/R

Decomp Temp:

Decomp Text:
UNKNOWN 8

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
1-1.5

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
N/R

Solubility in Water:
N/R

Appearance and Odor:
DARK GRAY ODORLESS SOLID, GREASY TO TOUCH.

Percent Volatiles by Volume:
N/R

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
STRONG OXIDIZING AGENTS. CHLORINATED SOLVENTS MAY BE DECOMPOSED BY AN ARC INTO TOXIC GASES SUCH AS PHOSGENE.

Hazardous Decomposition Products:
CARBON MONOXIDE, CARBON DIOXIDE AND METAL FUMES, METAL OXIDES, CHROMATES, FLUORIDES, OZONE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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

LookChem
Look for Chemicals
www.lookchem.com

For R&D use only. Not for drug, household or other uses.
WARRANTY
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.