

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-249/24938-64-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

24938-64-5

Code:

M

RTECS:**Code:**

X

Name:

ARAMID

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

15 MG/M3 TOTAL DUST

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

10 MG/M3 TOTAL DUST

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE NIOSH/MSHA-APPROVED RESPIRATOR WITH DUST CARTRIDGE IF TLV IS EXCEEDED. FOLLOW RESPIRATOR STANDARD 1910.34.

Ventilation:

LOCAL EXHAUST TO MAINTAIN EXPOSURE LEVEL BELOW TLV.

Protective Gloves:

PROTECTIVE GLOVES.

Eye Protection:

SAFETY GLASSES W/SIDE SHIELD OR GOGGLES.

Other Protective Equipment:

Equipment PROTECTIVE SLEEVES AND CREAMS FOR EMPLOYEES WITH SENSITIVE SKIN.

Work Hygienic Practices:

WASH THOROUGHLY AFTER HANDLING. DO NOT SHAKE CLOTHING. REMOVE DUST BY WASHING OR VACUUMING.

Supplemental Safety and Health:

BRAKE LINING IS A RESIN BONDED PRODUCT WHICH DOES NOT CONTAIN ASBESTOS. WHEN USED AS INTENDED THIS PRODUCT MEETS THE OSHA DEFINITION OF AN ARTICLE AND IS EXEMPT FROM THE HCS. A POTENTIAL FOR EXPOSURE TO DUST WHEN GRINDING, DRILLING, MILLING, ETC., EXISTS AND THEREFORE ALL INFORMATION CONTAINED WITHIN SHOULD BE FOLLOWED.

Health Hazards Data

LD50/LC50/Mixture:

NOT APPLICABLE

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

METAL DUSTS CAN IRRITATE EYES AND UPPER RESPIRATORY SYSTEM. CURED PHENOLIC/CASHEW RESINS MAY CAUSE DERMATITIS. CRYSTALLINE SILICA MAY PRODUCE SILICOSIS AND POSSIBLY CANCER. NON-ASBESTOS FIBERS MAY CAUSE LUNG DISEASE INCLUDING FIBROSIS.

Explanation Of Carcinogenicity:

CRYSTALLINE SILICA IS LISTED UNDER IARC AS SUSPECTED CARCINOGEN.

Signs And Symptoms Of Overexposure:

PARTIALLY CURED CASHEW RESINS: SKIN ERUPTIONS. CRYSTALLINE SILICA: COUGHING, WHEEZING, SHORTNESS OF BREATH, IMPAIRED PULMONARY FUNCTION. DUSTS IN EYE MAY CAUSE IRRITATION. INGESTION MAY CAUSE GASTROINTESTINAL DISTURBANCES.

Medical Cond Aggravated By Exposure:

9 INDIVIDUALS WITH A HISTORY OF RESPIRATORY OR SKIN CONDITIONS MAY BE AT INCREASED RISK.

First Aid:

EYES: FLUSH WITH PLENTY OF WATER. IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS SEE DOCTOR. INHALATION: REMOVE TO FRESH AIR. SEE DOCTOR. INGESTION: SEE DOCTOR.

Spill Release Procedures:

VENTILATE. CLEAN UP USING METHODS THAT AVOID DUST GENERATION SUCH AS VACUUM, WET DUST MOP OR WET CLEAN UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER. IF DUST IS GENERATED USE NIOSH/MSHA APPROVED RESPIRATOR WITH DUST CARTRIDGE.

Neutralizing Agent:

NOT APPLICABLE

Waste Disposal Methods:

NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN COVERED CONTAINERS PENDING DISPOSAL. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

AVOID CREATING EXCESSIVE DUST. USE DUST COLLECTION IF GRINDING, DRILLING OR ALTERING PRODUCT IN ANY WAY. DO NOT USE COMPRESSED AIR.

Other Precautions:

PROTECTIVE CREAMS AND SLEEVES MAY BE NECESSARY FOR EMPLOYEES WITH SENSITIVE SKIN. PERIODIC MEDICAL EXAMINATIONS ARE RECOMMENDED FOR INDIVIDUALS REGULARLY EXPOSED TO DUST.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/P

Flash Point Text:

N/R

Autoignition Temp:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

WATER, EXTINGUISHERS CLASS A, B AND C, FOAM. 10

Fire Fighting Procedures:

WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:

COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Physical/Chemical Properties

T6:

T6

NRC/State LIC No:

N/R 11

Net Prop WT For Ammo:

N/P

Boiling Point:

N/P

B.P./Freeze Pt:

N/P

M.P./F.P. Text:

N/R

Decomp Temp:

N/P

Decomp Text:

N/P

Vapor Pres:

N/P

Vapor Density:

N/P

Volatile Org Content %:

N/P

Spec Gravity:

1.6-3.7

VOC Pounds/Gallon:

N/P

PH:

N/R

VOC Grams/Liter:

YES

Viscosity:

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

INSOLUBLE

Appearance and Odor:

BRAKE LINING. SOLID. LIGHT TAN TO DARK GREY COLOR. SLIGHT SOUR ODOR.

Percent Volatiles by Volume:

N/R

Corrosion Rate:

N/P

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Reactivity Data

Stability Indicator:

YES

NOT APPLICABLE**Materials To Avoid:**

NONE

Hazardous Decomposition Products:

CARBON MONOXIDE, SMOKE.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT APPLICABLE

Extinguishing Media:

N/A