

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

A02/040

AL SAFETY DATA SHEET - 78Q45

Associated Grainger Items

4ZH63

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PRODUCT

NAME: NATURAL GRAPHITE TUBE-O-LUBE

TYPE: POWDER

STATUS: ACTIVE

HAZARDOUS COMPONENTS CAS# OSHA PEL ACGIH TLV OTHER LIMITS

GRAPHITE, NATURAL 7782-42-5 (AS RESPIRABLE DUST) 2.5 MG/M3 2.0 MG/M3 NONE

SILICA, CRYSTALLINE QUARTZ 14808-60-7 (AS RESPIRABLE DUST) 0.1 MG/M3 0.1 MG/M3 NONE

NOTES: TESTS PERFORMED ON NATURAL GRAPHITE HAVE SHOWN QUARTZ LEVELS RANGING FROM 2% TO 10%.

ROUTE(S) OF ENTRY: INHALATION: YES SKIN: NO INGESTION: YES

HAZARDS (ACUTE AND CHRONIC): INHALATION OF DUST MAY RESULT IN IRRITATION OF MUCOUS MEMBRANES. LONG TERM INHALATION MAY RESULT IN SILICOSIS OR PNEUMOCONIOSIS.

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: YES OSHA REGULATED: NO

NOTES: SILICA AS QUARTZ: ANIMAL SUFFICIENT EVIDENCE, HUMAN SUFFICIENT EVIDENCE

SIGNS AND SYMPTOMS OF EXPOSURE: NOT KNOWN OTHER THAN THAT MENTIONED IN THE HEALTH HAZARDS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NO MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY THIS PRODUCT.

EYES: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WASH EXPOSED SKIN WITH SOAP AND WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. LAUNDRY SEVERELY CONTAMINATED CLOTHING BEFORE REUSE.

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR AREA. IF BREATHING BECOMES DIFFICULT, GET MEDICAL ATTENTION.

FLASH POINT: (METHOD) N/A

NONE AVAILABLE.

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FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE, FOAM OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: WEAR NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS TO FIGHT A FIRE INVOLVING THIS MATERIAL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

NFPA HAZARD RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

NFPA NOTES:

SPILL/LEAK PROCEDURES: CAREFULLY SWEEP UP MATERIAL AND WASH FLOOR WITH SOAP AND WATER. CONTAINERIZE FOR SOLID WASTE DISPOSAL.

HANDLING AND STORAGE PRECAUTIONS: KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. GRAPHITE CAUSES SLIPPERY CONDITIONS. GRAPHITE, BEING CONDUCTIVE, CAN CAUSE SHORT CIRCUITS AND OTHER ELECTRICAL MALFUNCTIONS.

WORK/HYGIENIC PRACTICES: WASH EXPOSED SKIN WITH SOAP AND WATER AFTER HANDLING THIS PRODUCT.

RESPIRATORY PROTECTION (SPECIFY TYPE): USE NIOSH/MSHA APPROVED MASK FOR CHEMICAL PRODUCTS IF ACGIH, OSHA AND/OR TWA LIMITS WILL BE EXCEEDED.

LOCAL EXHAUST: NOT REQUIRED

MECHANICAL (GENERAL): RECOMMENDED

SPECIAL: NONE

OTHER: NONE

EYE/FACE PROTECTION: SAFETY GLASSES, GOGGLES OR FACE SHIELD. EYE WASH STATION SHOULD BE AVAILABLE.

SKIN PROTECTION: USE COTTON GLOVES. SAFETY SHOWER SHOULD BE AVAILABLE.

PHYSICAL STATE: SOLID BOILING POINT: N/A

APPEARANCE: GRAY MELTING POINT: N/A

ODOR: NONE VAPOR PRESSURE (MM HG): N/A

SPECIFIC GRAVITY (H2O=1): 2.25 EVAPORATION RATE: N/A

WATER SOLUBILITY: INSOLUBLE (BUTYL ACETATE=1)

STABILITY: MATERIAL IS STABLE.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS, ACIDS AND ALKALIES.

HAZARDOUS DECOMPOSITION PRODUCTS: ON BURNING, MAY RELEASE CARBON DIOXIDE AND CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR. DISCLAIMER: THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE.

HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. BECAUSE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL, WE ASSUME NO

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

NOT REGULATED.

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

RESPONSIBILITY FOR ITS USE.

UNK. = UNKNOWN

N/A = NOT APPLICABLE

NAV = NOT AVAILABLE

N/D = NOT DETERMINED

N/E = NOT ESTABLISHED