

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-180/1809-14-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
1809-14-9

Code:
M

RTECS:

Code:
X

Name:
ALKYL PHOSPHITE

Other REC Limits:
N/P

OSHA PEL:
N/P

Code:

OSHA STEL:

N/P

Code:

ACGIH TLV:

N/P

Code:

ACGIHSTEL:

N/P

Code:

Control Measures

Respiratory Protection:
UNDER NORMAL CONDITIONS, RESPIRATOR IS NOT NORMALLY REQUIRED. IF WORKPLACE EXPOSURE LIMIT IS EXCEEDED USE NIOSH-APPROVED DISPOSABLE DUST/MIST MASK BREATHING APPARATUS FOR ENTRY INTO CONFINED SPACE IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROL.

Ventilation:
USE IN WELL VENTILATED AREA. ADDITIONAL AREA VENTILATION OR LOCAL EXHAUST MAY BE REQUIRED TO MAINTAIN EXPOSURE LIMITS.

Protective Gloves:
RESISTANT GLOVES (NEOPRENE OR NITRILE)

Eye Protection:
CHEMICAL GOGGLES OR FACE SHIELD

Other Protective Equipment:
Equipment WEAR IMPERVIOUS CLOTHING AND BOOTS

Work Hygienic Practices:
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
AUTOMATIC TRANSMISSION FLUID WITH INTERNAL PART NO.: 406348(12X1 QT); 06308(5 GL); 06309 (16 GL); 06310 (55 GL); 06319 (BULK).

Health Hazards Data

LD50LC50Mixture:

N/P

Route Of Entry Inds - Inhalation:

N/P

Skin:

N/P

Ingestion:

N/P

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:
EYE: NO SIGNIFICANT EYE IRRITATION CAN BE EXPECTED FROM CONTACT WITH THIS PRODUCT. IF IRRITATION SHOULD OCCUR, IT IS EXPECTED TO BE TRANSIENT. SKIN: NOT EXPECTED TO BE A PRIMARY SKIN IRRITANT. PROLONG ED OR REPEATED CONTACT MAY CAUSE SKIN DISORDERS. CONTACT WITH CLOTHING WET WITH PRODUCT MAY CAUSE DERMITITIS. SYMPTOMS MAY INCLUDE REDNESS, EDEMA, DRYING, DEFATTING AND CRACKING OF THE SKIN. INGESTIO N: SWALLOWING MAY CAUSE STOMACH CRAMPS AND DIARRHEA. INHALTION: REMOVE EXPOSED PERSON TO FRE

Explanation Of Carcinogenicity:
NONE OF THIS PRODUCT'S COMPONENTS ARE LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA.

Signs And Symptions Of Overexposure:
EYE: NO SIGNIFICANT EYE IRRITATION CAN BE EXPECTED FROM CONTACT WITH THIS PRODUCT. IF IRRITATION SHOULD OCCUR, IT IS EXPECTED TO BE TRANSIENT. SKIN: NOT EXPECTED TO BE A PRIMARY SKIN IRRITANT. PROLONG ED OR REPEATED CONTACT MAY CAUSE SKIN DISORDERS. CONTACT WITH CLOTHING WET WITH PRODUCT MAY CAUSE DERMITITIS. SYMPTOMS MAY INCLUDE REDNESS, EDEMA, DRYING, DEFATTING AND CRACKING OF THE SKIN. INGESTIO N: SWALLOWING MAY CAUSE STOMACH CRAMPS AND DIARRHEA. INHALTION: REMOVE EXPOSED PERSON TO FRESH AIR. IF TI

Medical Cond Aggravated By Exposure:
PERSONS WITH SKIN OR OTHER RESPIRATORY CONDITIONS MAY BE MORE SENSITIVE TO PRODUCT.

First Aid:
4 EYE: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF EYE IRRITATION DEVELOPS/ PERSISTS. SKIN: WASHAREA WITH MILD SOAP& WATER. IMMEDIATELY TAKE OFF ALL CONTAMINATED CLOTHING. GET MEDICAL ATTE NTION IF SKIN DISORDER DEVELOPS. LAUNDER CONTAMINATED CLOTHING BEFORE RESUE. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE 2 GLASSES OF WATER TO DILUTE CONTENTS OF STOMACH. CALL LOCAL POISON C ONTROL CENTER OR GET MEDICAL ATTENTION. INHALTION: REMOVE INDIVIDUAL TO FRESH AIR. IF TI

Spill Release Procedures:
S THE FLOW OF MATERIAL, IF THIS IS WITHOUT RISK. DIKE SPILLED MATERIAL, WHERE THIS IS POSSIBLE. ABSORB LIQUID ON VERMICULITE OR OTHER ABSORBENT. FOR LARGE SPILLS S SPILL AT THE SOURCE. PUMP OR V ACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS FOR RECOVERY, RECYCLE AND OR USE. USE PERSONAL PROTECTIVE EQUIPMENT. VENTILATE SPILL AREA. PREVENT ENTRY INTO SEWERS AND WATERWAYS.

Neutralizing Agent:

N/P

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE OR PROVINCIAL, AND LOCAL REGULATIONS.

Handling And Storage Precautions:
KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION. OPEN CONTAINER IN A WELL VENTILATED AREA. AVOID BREATHING VAPORS. USE A NIOSH-APPROVED RESPIRATOR IF EXPOSED TO OIL MIST, AND ADEQUATE VENTILATION IS NOT AVAILABLE. WASH THOROUGHLY AFTER HANDLING. ELIMINATE ALL SOURCES OF IGNITION.

Other Precautions:
KEEP THIS MATERIAL IN A COOL, WELL-VENTILATED PLACE.

Fire and Explosion Hazard Information

Flash Point Method:

COC

Flash Point:
=176.7C, 350.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
USE ANY MEDIA SUITABLE FOR FIRE EXCLUDING WATER. REGULAR FOAM, CARBON DIOXIDE, OR DRY CHEMICAL ARE PREFERRED. 5

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES. WATER OR FOAM MAY CAUSE FROTHING, WHICH CAN BE VIOLENT.

Unusual Fire/Explosion Hazard:
KEEP AWAY FROM ALL SOURCES OF IGNITION. PRODUCT, OR EVEN RESIDUE CAN IGNITE EXPLOSIVELY WITH SUFFICIENT IGNITION SOURCE. TOXIC FUMES, GASES OR VAPORS MAY EVOLVE ON BURNING. VAPORS MAY BE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO A DISTANT IGNITION SOURCE AND FLASH BACK. CONTAINER MAY RUPTURE ON HEATING.

Physical/Chemical Properties

HCC:

V6

NRC/State LIC No:

N/P

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

Spec Gravity:
.87-.88

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity:
37.57 CST@40C

Evaporation Rate & Reference:

N/A

Solubility in Water:

N/D

Appearance and Odor:

RED LIQUID; ODOR N/A

Percent Volatiles by Volume:

N/A

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:
EXCESSIVE HEAT AND ALL SOURCES OF IGNITION

Materials To Avoid:
STRONG OXIDIZING AGENTS (PEROXIDES, CHLORINE, STRONG ACIDS)

Hazardous Decomposition Products:
CARBON DIOXIDE, CARBON MONOXIDE, SMOKE, ALDEHYDES, VARIOUS OXIDES INCLUDING BORON AND PHOSPHORUS AND OTHER HYDROCARBONS

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/P 7

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

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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.