

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-683/68359-37-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
68359-37-5
Code:
M

RTECS:
GZ1253000
Code:
M

Name:
TEMPO (CYFLUTHRIN)

Other REC Limits:
NOT ESTABLISHED

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 FOR ORGANIC VAPORS.

Ventilation:
MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA IS NOT VENTED. 7

Protective Gloves:
RUBBER

Eye Protection:
CHEMICAL SAFETY GOGGLES

Other Protective Equipment:
Equipment SAFETY SHOWER AND EYE BATH. ADDITIONAL PROTECTIVE CLOTHING WHEN NEEDED TO PREVENT DERMAL EXPOSURE.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL, RAT) IS 547 MG/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE:IRRITATION OF EYES, SKIN, NOSE AND RESPIRATORY TRACT.ALLERGIC SKIN REACTIONS. CHRONIC:SKIN DEFATTING. THE AROMATIC SOLVENTS IN THIS PRODUCT IS IRRITATING TO MUCOUS MEMBRANES, AND MAY CAUSE CENTR AL NERVOUS SYSTEM DEPRESSION AND NARCOSIS.

Explanation Of Carcinogenicity:
NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:
EYES:SEVERE IRRITATION,TEARING,REDNESS. SKIN:IRRITATION,ITCHING,REDDENING,RASH,BURNING SENSATION. INHALATION:NOSE, THROAT AND UPPER RESPIRATORY TRACT IRRITATION. THE AROMATIC SOLVENTS IN THIS PRODUCT MAY CAUSE IRRITATION OF EYES,NOSE AND THROAT,NAUSEA, LIGHTHEADEDNESS,DIZZINESS.

Medical Cond Aggravated By Exposure:
PERSONS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:
EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.SEE DOCTOR. SKIN:IMMEDIATELY WASH WITH SOAP AND WATER.REMOVE CONTAMINATED CLOTHING.IF IRRITATION PERSISTS,SEE DOCTOR. INHALATION:REMOVE TO FRESH AIR.IF NO T BREATHING,GIVE CPR.SEE DOCTOR. INGESTION:IMMEDIATELY DRINK A LARGE QUANTITY OF MILK OR WATER.CALL DOCTOR OR POISON CONTROL CENTER.

Spill Release Procedures:
REMOVE IGNITION SOURCES.WEAR APPROPRIATE PROTECTION EQUIPMENT.ABSORB IN INERT MATERIAL AND PLACE IN COVERED CONTAINER.SCRUB AREA WITH DETERGENT AND BLEACH SOLUTION.REPEAT.RINSE WITH WATER.ABSORB RINSES IN INERT ABSORBENT FOR DISPOSAL.

Neutralizing Agent:
NONE APPLICABLE FOR THIS MATERIAL

Waste Disposal Methods:
6 BURN IN INCINERATOR APPROVED FOR PESTICIDE DESTRUCTION.CONTAMINATED SOIL MAY HAVE TO BE REMOVED AND DISPOSED. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS .

Handling And Storage Precautions:
STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM HEAT AND FLAME. STORE IN PESTICIDES ONLY AREA. DO NOT STORE NEAR FOOD OR FEED. KEEP CLOSED.

Other Precautions:
STORAGE TEMPERATURES: MAXIMUM:30 DAY AVERAGE NOT TO EXCEED 100F. AVOID HEAT AND MOISTURE.

Fire and Explosion Hazard Information

Flash Point Method:
TCC

Flash Point:

Flash Point Text:
105F,41C

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
UNKNOWN

Upper Limits:
UNKNOWN

Extinguishing Media:
USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

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. EQUIPMENT OR MATERIALS INVOLVED IN PESTICIDE FIRES MAY BECOME CONTAMINATED.

Physical/Chemical Properties

HCC:
F4

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
UNKNOWN

Melt/Freeze Pt:
=-6.7C, 20.F

M.P/F.P Text:

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
NEGLEGIBLE

Vapor Density:
UNKNOWN

Volatile Org Content %:

Spec Gravity:
0.99

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
UNKNOWN

Evaporation Rate & Reference:
UNKNOWN 8

Solubility in Water:
NEGLEGIBLE

Appearance and Odor:
CLEAR DARK AMBER LIQUID. AROMATIC ODOR.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES. AVOID MOISTURE.

Materials To Avoid:
ALKALINE PRODUCTS.

Hazardous Decomposition Products:
CARBON DIOXIDE, CARBON MONOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

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

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 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.

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