

# 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

**ACGIH STEL:**

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 THROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**

N/P

## Health Hazards Data

**LD50/LC50 Mixture:**

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 CENTRAL 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 NOT 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:**

TC

**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:**

FIRES OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. EQUIPMENT OR MATERIALS INVOLVED IN PESTICIDE FIRES MAY BECOME CONTAMINATED.

## Physical/Chemical Properties

**F4:****N/R/State Lic No:**

N/R

**Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

UNKNOWN

**Melt/Freeze Pt:**

=-6.7C,20.7F

**M.P./F.P. Text:**

NO

**Decomp Temp:****Decomp Text:**

UNKNOWN

**Vapor Pres:**

NEGLIGIBLE

**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

**Solubility in Water:**

NEGLIGIBLE

**Appearance and Odor:**

CLEAR DARK AMBER LIQUID, AROMATIC ODOR.

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

UNKNOWN

## Reactivity Data

**YES:****HIGH TEMPERATURE SPARKS:**

SPARKS, AND OPEN FLAMES. AVOID MOISTURE.

**ALKALINE PRODUCTS:**

ALKALINE PRODUCTS.

**Hazardous Decomposition Products:**

CARBON DIOXIDE, CARBON MONOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

**Hazardous Polymerization Indicator:**

NO

**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:**

N/P

**Other Information:**

N/P

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