

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-800/8003-34-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
8003-34-7  
**Code:**  
M

**RTECS:**  
UR4200000  
**Code:**  
M

**Name:**  
PYRETHRUM (SARA III)

**Other REC Limits:**  
NOT ESTABLISHED

**OSHA PEL:**  
5 MG/M3  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
5 MG/M3; 9192  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NONE SHOULD BE NEEDED IN OUTDOOR;USE NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

**Ventilation:**  
NONE SHOULD BE NEEDED;FOR OUTDOOR USE ONLY

**Protective Gloves:**  
AS REQUIRED UNDER INSTRUCTIONS

**Eye Protection:**  
SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

**Other Protective Equipment:**  
Equipment EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED.

**Work Hygienic Practices:**  
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

**Supplemental Safety and Health:**  
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY OR G.I.TRACTS;CNS EFFECTS LIKE HEADACHE,DIZZINESS,NAUSEA,VOMITING AND POSSIBLE UNCONSCIOUSNESS;REDNESS OR BURNS OF EYES/SKIN POSSIBLE.CHRONIC:DRYING OF SKIN,D EFATTING OR DERMATITIS.

**Explanation Of Carcinogenicity:**  
DATA PER MSDS

**Signs And Symptoms Of Overexposure:**  
SKIN:CAUSES DERMATITIS BY PRLNGD CONTACT;EYES:MAY IRRIT;INH/ING:MAY CAUS VOMIT;RELATIVLY NON-TOXIC.

**Medical Cond Aggravated By Exposure:**  
5 PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

**First Aid:**  
INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

**Spill Release Procedures:**  
USE PROPER PERSONAL PROTECTION;ALLOW TO DISCHARGE COMPLETELY IN WELL VENTILATED AREA;CONTAIN FREE MATERIAL IF POSSIBLE;USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL IN AN APPRO VED CONTAINER.DO NOT PUNCTURE OR THROW IN FIRE.

**Neutralizing Agent:**  
NOT APPLICABLE.

**Waste Disposal Methods:**  
CONSULT LOCAL AUTHORITIES.DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

**Handling And Storage Precautions:**  
STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE,DO NOT HEAT>130F

**Other Precautions:**  
DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/R

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
6 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:**  
CONTENTS UNDER PRESSURE,EXPOSURE TO TEMPERATURES ABOVE 130F MAY CAUSE BURSTING.

## Physical/Chemical Properties

**HCC:**  
7 V2

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/K

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
3526 MMHG

**Vapor Density:**  
NK

**Volatile Org Content %:**

**Spec Gravity:**  
1.26

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/R

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
SPRAYS AS HARD JET STREAM W/PINE OIL/PYRTHRIN ODOR

**Percent Volatiles by Volume:**  
85

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

**Materials To Avoid:**  
NONE KNOWN

**Hazardous Decomposition Products:**  
THERMAL DECOMPOSITION MAY RESULT HALOGEN ACIDS,CO\*2,CO

**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