

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-900/9000-65-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
9000-65-1  
**Code:**  
M

**RTECS:**  
XW7750000  
**Code:**  
M

**Name:**  
TRAGACANTH GUM

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**  
  
**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
USE NIOSH APPROVED HALF-MASK OR FULL PIECE RESPIRATOR W/REPLACEABLE CARTRIDGE FILTER IN LOW TLV,  
USE FULL-FACE SUPPLIED AIR RESPIRATOR IN POSITIVE PRESSURE MODE OR FULL-FACE SELF-CONTAINED  
BREATHING A PPARATUS FOR HIGH TLV.

**Ventilation:**  
ADEQUATE TO KEEP

**Protective Gloves:**  
SYNTHETIC RUBBER

**Eye Protection:**  
PLASTIC FACE SHIELD/SPLASH PROOF GOGGLES

**Other Protective Equipment:**  
Equipment PROTECTIVE CLOTHING, BOOTS & APRONS

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
WASH HANDS & FACE W/SOAP & WATER BEFORE SMOKING OR EATING.

## Health Hazards Data

**LD50LC50Mixture:**  
NO

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: BURNING & IRRITATION. SKIN: IRRITATION & DERMATITIS. INHALATION: DIZZINESS, HEADACHE & UNCONSCIOUSNESS.  
INGESTION: BURNING, MUCOUS MEMBRANE IRRITATION OF THE MOUTH, ESOPHOSGUS & STOMACH.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
EYES: BURNING & IRRITATION. SKIN: IRRITATION & DERMATITIS. INHALATION: DIZZINESS, HEADACHE & UNCONSCIOUSNESS.  
INGESTION: BURNING, MUCOUS MEMBRANE IRRITATION OF THE MOUTH, ESOPHOSGUS & STOMACH.

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE  
CPR OR OXYGEN IF NEEDED. INGESTION: DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
ELIMINATE IGNITION SOURCES. RECOVER FREE LIQUID. ADD ABSORBENT TO THE SPILL AREA; SWEEP UP.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
AVOID BREATHING OF VAPORS. KEEP CONTAINERS CLOSED. AVOID CONTACT W/EYE & SKIN.

**Other Precautions:**  
3 N/K

## Fire and Explosion Hazard Information

**Flash Point Method:**  
COC

**Flash Point:**

**Flash Point Text:**  
130F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
0.7%

**Upper Limits:**  
6.5%

**Extinguishing Media:**  
FOAM, DRY CHEMICAL,CO2 & WATER FOG

**Fire Fighting Procedures:**  
WATER MAY INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME.

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**  
4

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
343F

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
33

**Vapor Density:**  
>1

**Volatile Org Content %:**

**Spec Gravity:**  
0.778

**VOC Pounds/Gallon:**

**PH:** 7.08

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
(ODORLESS KEROSENE=1)1.15

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
CLEAR, LIGHT BROWN COLOR W/FAINT HYDROCARBON ODOR

**Percent Volatiles by Volume:**  
99.89%

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT, FLAME, OPEN FLAMES, SPARKS &OTHER IGNITION SOURCES

**Materials To Avoid:**  
STRONG OXIDANTS

**Hazardous Decomposition Products:**  
CO, CO2, SMOKE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## 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