

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-355/35585-58-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
35585-58-1

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
SODIUM METABORATE OCTAHYDRATE Environmental Wt:

**Other REC Limits:**  
N/P

**OSHA PEL:**  
2 MG/M3

**Code:**  
M

**OSHA STEL:**  
N/P

**Code:**

**ACGIH TLV:**  
N/A

**Code:**  
M

**ACGIHSTEL:**  
NOT ESTABLISHED

**Code:**  
T

## Control Measures

**Respiratory Protection:**  
NONE NEEDED UNDER NORMAL CONDITIONS. 5

**Ventilation:**  
N/P.KEEP CONTAINERS CLOSE WHEN NOT IN USE.DO NOT STORE NEAR FOOD.

**Protective Gloves:**  
CHEMICAL RESISTANT GLOVES.

**Eye Protection:**  
GOGG SAFETY GLASSES W/FULL FACE SHIELD.

**Other Protective Equipment:**  
Equipment N/P

**Work Hygienic Practices:**  
MATL CONTAINS SODIUM METABORATE-8H2O, 2-MERCAPTOBENZOTRIAZOLE SODIUM METASILICATE USE CAUTION WHEN HANDLING.

**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYE:MAY CAUSE IRRIT OR BURNS ON PROLONGED CONTACT.INHAL:HIGH VAPOR CONCENTRATIONS MAY CAUSE DIZZINESS OR NAUSEA AND OTHER CENTRAL NERVOUS SYST EFFECTS.SKIN:PROLONG CONTACT MAY IRRIT SKIN OR DRY SKIN C AUSING DERMATITIS.INGEST:MAY CAUSE IRRITTO DIGESTIVE TRACT RESULTING IN NAUSEA &/OR VOMITING.

**Explanation Of Carcinogenicity:**  
THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENTS DESIGNATED BY IARC/NTP/ACGIH/OSHA AS PROBABLE CARCINOGEN.

**Signs And Symptions Of Overexposure:**  
EYE:IRRIT/BURNS ON PROLONGED CONTACT.INHAL:DIZZINESS/NAUSEA, OTHER CENTRAL NERV SYSTEM EFFECTS.SKIN:PROLONGED CONTACT MAY IRRIT SKIN,DRY SKIN CAUSING DERMATITIS.INGEST:IRRIT TO DIGESTIVE TRACT RESULTI NG IN NAUSEA AND/OR VOMITING.

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

**First Aid:**  
INHAL:REMOVE TO FRESH AIR.ADMINISTER OXYGEN SEEK MED HELP.EYE:FLUSH W/WATER,SEEK MED HELP. SKIN:FLUSH W/WATAER,REMOVE CONTAMINATED CLOTHS.IF SKIN IRRIT DEVELOPS SEEK MED ASSISTANCE.INGEST:GIVE SEVERAL GLASSES OF WTAER,DO NOT INDUCE VOMIT.SEEK MED ATTN.NOTE TO DR:ALL TREATMENTS SHOULD BE BASED ON OBSERVED SIGNS & SUMPTOMS OF DISTRESS.THE PRINCIPAL MANIFESTATION OF OVEREXPO IS CORR OR BURNS.

**Spill Release Procedures:**  
ABSORB ON FIRE RETARDANT MATL.PICK UP & DISPOSE OF AT APPROPRIATE WASTE FACILITY IN ACCORDANCE TO LOC/STATE/FED REGS.REPORT SPILL TO APPROPRIATE AUTHORITIES. 4

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
THE PRODUCT IS SUITABLE FOR DISPOSAL BY AN APPROVED FACILITY OR CAN BE DISPOSED OF ANY GOVERNMENT APPROVED WASTE SITE.

**Handling And Storage Precautions:**  
KEEP IN COOL DRY PLACE.

**Other Precautions:**  
CLEAR ALKALINE LIQUID WITH BLAND ODOR.MATERIAL CONTAINS SODIUM METABORATE-8H2O, 2-MERCAPTOBENZOTRIAZOLE AND SODIUM METASILACATE, USE CAUTION WHEN HNDLG.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
TCC

**Flash Point:**

**Flash Point Text:**  
NONE TO BOILING

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/P

**Lower Limits:**  
N/APPLICABLE

**Upper Limits:**  
N/APPLICABLE

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

**Fire Fighting Procedures:**  
NOT COMBUSTIBLE.CONTAINERS CAN RUPTUE & EXPLODE UNDER FIRE CONDITIONS DUE TO PRESSURE & VAPOR BUILDUP.SELF-CNTAINED BREATHING APPARATUS WITH FULL FACE SHIELD.

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

## Physical/Chemical Properties

**HCC:**  
B3

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

**Net Prop WT For Ammo:**

**Boiling Point:**  
=100.C, 212.F

**B.P. Text:**

**Melt/Freeze Pt:**  
=-1.1C, 30.F

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

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
17MM OF HG

**Vapor Density:**  
NOT ESTABL

**Volatile Org Content %:**

**Spec Gravity:**  
1.202 15.5/15.5C

**VOC Pounds/Gallon:**

**PH:** 12.5 /-0.5

**VOC Grams/Liter:**

**Viscosity:**  
14CPS 6

**Evaporation Rate & Reference:**  
1(WATER=1)

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
CLEAR LIQUID WITH BLAND ODOR

**Percent Volatiles by Volume:**  
~75%

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/P

**Materials To Avoid:**  
ACIDS, REDOX AGENTS.

**Hazardous Decomposition Products:**  
OXIDES OF SULFUR AND NITROGEN.

**Hazardous Polymerization Indicator:**  
NO

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

## 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