

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-766/7665-72-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7665-72-7

**Code:**  
M

**RTECS:**  
RR0475000

**Code:**  
M

**Name:**  
OXIRANE,((1,1-DIMETHYLETHOXY)METHYL)-/TERT-BUTYL

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**  
ACGIH TLV: NOT ESTABLISHED

**Code:**  
2 OSHA STEL:

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
WHEN RESPIRATORY PROTECTION IS REQUIRED, USE APPROVED AIR-PURIFYING OR POSITIVE-PRESSURE SUPPLIED-AIR RESPIRATOR. FOR EMERGENCY, USE AN APPROVED POSITIVE-PRESSURE SCBA OR POSITIVE-PRESSURE AIRLINE WITH AUXILIARY SELF-CONTAINED AIR SUPPLY.

**Ventilation:**  
PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES.

**Protective Gloves:**  
WEAR IMPERVIOUS PROTECTIVE GLOVES.

**Eye Protection:**  
USE SAFETY GLASSES.

**Other Protective Equipment:**  
Equipment DEPENDING ON OPERATION WEAR IMPERVIOUS PROTECTIVE CLOTHING SUCH AS FACESHIELD, BOOTS, APRON, OR FULL-BODY SUIT.

**Work Hygienic Practices:**  
WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
AS A SERVICE TO ITS CUSTOMERS, DOW CAN PROVIDE LISTS OF COMPANIES WHICH RECYCLE, REPROCESS OR MANAGE CHEMICALS OR PLASTICS, AND COMPANIES THAT MANAGE USED DRUMS. TELEPHONE DOW'S CUSTOMER INFORMATION CENTER AT 800-258-2436 OR 517-832-1556 FOR FURTHER DETAILS.

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL, RAT) IS >5,000 MG/KG.

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE: EYES: CONTACT MAY CAUSE PAIN, SLIGHT IRRITATION. SKIN: REPEATED/PROLONGED SKIN CONTACT MAY CAUSE IRRITATION, DRYING, ALLERGIC REACTION. INHALATION: MAY CAUSE UNCONSCIOUSNESS, DEATH. INGESTION: ORAL TOXICITY IS LOW. CHRONIC: DRYING OF SKIN, ALLERGIC REACTION.

**Explanation Of Carcinogenicity:**  
IARC REPORTS "INADEQUATE EVIDENCE".

**Signs And Symptoms Of Overexposure:**  
EYES: PAIN, IRRITATION. SKIN: IRRITATION, BURNS, DRYING, FLAKING, ALLERGIC REACTION. INHALATION: IRRITATION, DIZZINESS, NAUSEA, INCOORDINATION, UNCONSCIOUSNESS, CNS EFFECTS, ANESTHETIC OR NARCOTIC EFFECTS, DEATH. INGESTION: SMALL AMOUNTS SWALLOWED IN NORMAL HANDLING NOT LIKELY TO CAUSE INJURY. LARGE AMOUNTS MAY CAUSE INJURY.

**Medical Cond Aggravated By Exposure:**  
PRE-EXISTING SKIN DISORDERS.

**First Aid:**  
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH OFF WITH LARGE AMOUNTS OF WATER. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

**Spill Release Procedures:**  
3 VENTILATE AREA. WEAR PROTECTIVE EQUIPMENT. LARGE SPILLS: CONTAIN LIQUID TO PREVENT CONTAMINATION OF SOIL, SURFACE WATER, GROUND WATER. TRANSFER TO PROPERLY LABELED CLOSED CONTAINER. SMALL SPILLS: MOP UP, WIPE OR SOAK UP. PLACE IN PROPERLY LABELED CONTAINER.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
DO NOT DISCHARGE TO SEWERS, GROUND, OR ANY BODY OF WATER. ALL DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. SEND UNUSED WASTE PRODUCT TO LICENSED, PERMITTED RECYCLER, RECLAIMER, INCINERATOR OR OTHER THERMAL DESTRUCTION DEVICE.

**Handling And Storage Precautions:**  
STORE IN DRY, COOL, VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED. DO NOT STORE IN ALUMINUM, ZINC, ALUMINUM ALLOYS, PLASTIC.

**Other Precautions:**  
DO NOT EAT, DRINK, OR SMOKE IN WORKING AREA. VENT VAPOR FROM CONTAINER TO STORAGE TANK. CONTAINERS, EVEN EMPTY CONTAINERS, CAN CONTAIN VAPORS. DO NOT CUT, DRILL, GRIND, WELD, OR PERFORM SIMILAR OPERATIONS ON OR NEAR EMPTY CONTAINERS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
TCC

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/R

**Lower Limits:**  
NONE

**Upper Limits:**  
NONE

**Extinguishing Media:**  
THIS MATERIAL DOES NOT BURN. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
CONTAIN FIRE WATER RUN-OFF. IF NOT CONTAINED, MAY CAUSE ENVIRONMENTAL DAMAGE. DO NOT USE DIRECT WATER STREAM. THIS MATERIAL DOES NOT BURN.

**Unusual Fire/Explosion Hazard:**  
CONTAINERS MAY VENT/RUPTURE IN FIRE. VAPORS, HEAVIER THAN AIR, MAY TRAVEL AND ACCUMULATE IN LOW AREAS. VIOLENT STEAM GENERATION MAY OCCUR FROM DIRECT WATER STREAM. 4

## Physical/Chemical Properties

**HCC:**  
T4

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

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
250F, 121C

**Melt/Freeze Pt:**

**M.P./F.P Text:**  
UNKNOWN 5

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
13 @ 68 F

**Vapor Density:**  
5.76

**Volatile Org Content %:**

**Spec Gravity:**  
1.612 - 1.619

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
UNKNOWN

**Solubility in Water:**  
0.015 G/100G @ 77F

**Appearance and Odor:**  
COLORLESS LIQUID. ETHER-LIKE ODOR.

**Percent Volatiles by Volume:**  
100

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
DECOMPOSITION/ULTRAVIOLET RAYS, OPEN FLAMES, WELDING ARCS, OTHER HIGH TEMPERATURE SOURCES WHICH INDUCE DECOMPOSITION.

**Materials To Avoid:**  
OXIDIZERS, BASES, AMINES, ALUMINUM POWDERS, MAGNESIUM POWDERS, POTASSIUM, SODIUM, ZINC POWDER, ALUMINUM, ALUMINUM ALLOYS.

**Hazardous Decomposition Products:**  
DECOMPOSITION PRODUCTS MAY INCLUDE AND ARE NOT LIMITED TO HYDROGEN CHLORIDE, TRACE AMOUNTS OF CHLORINE AND PHOSGENE.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
WILL NOT OCCUR.

## 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