

## **DOWFROST**

### **MSDS Number**

BTPPK

### **National Stock Number**

6850-00F035468

### **Product Name**

DOWFROST

### **Manufacturer**

ASHLAND CHEMICAL COMPANY

### **Product Identification**

Product ID:DOWFROST  
MSDS Date:03/04/1986  
FSC:6850  
NIIN:00F035468  
MSDS Number: BTPPK

### **Responsible Party**

ASHLAND CHEMICAL COMPANY  
COLUMBUS , OH 43216-2219  
US

Emergency Phone: 606-324-1133

Info Phone: 606-324-1133

Cage: 34897

### **Contractor**

ASHLAND CHEMICAL CO  
2219  
COLUMBUS, OH 43216-2219  
US  
614-790-3333/800-274-5263  
Cage: 34897

### **Ingredients**

PROPYLENE GLYCOL  
CAS: 57-55-6  
RTECS: TY2000000  
Fraction By Weight: >95%

### **Hazards**

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 22 GM/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES:MAY CAUSE MODERATE  
IRRITATION.SKIN:MAY CAUSE SLIGHT IRRITATION.INGEST:MAY CAUSE GI  
TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION.CHRONIC:MAY  
DAMAGE LIVER AND KIDNEYS.  
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
Effects of  
Overexposure:EYES:REDNESS,TEARING.INGEST:NAUSEA,VOMITING,DIARRHEA.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING

RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

## First Aid

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE TWO GLASSES OF WATER AND INDUCE VOMITING.

## Fire Fighting

Flash Point Method:TOC  
Flash Point:210F,99C  
Lower Limits:2.6  
Upper Limits:12.5  
Extinguishing Media:ALCOHOL FOAM,WATER FOG,CARBON DIOXIDE,DRY CHEMICAL.  
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.  
Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

## Accidental Release

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE SLIPPERINESS.AVOID DISCHARGE INTO SEWERS.  
Neutralizing Agent:NONE

## Handling

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM OXIDIZING AGENTS.  
Other Precautions:EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUE;DISPOSE OF PROPERLY.

## Exposure Controls

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON THE AIRBORN CONCENTRATION.  
Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.  
Protective Gloves:NEOPRENE  
Eye Protection:CHEMICAL SPLASH GOGGLES  
Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.  
Work Hygienic Practices:WASH HANDS.SEPARATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.  
Supplemental Safety and Health  
NONE

## Chemical Properties

HCC:N1  
Boiling Pt:B.P. Text:369F,187C  
Vapor Pres:0.07  
Vapor Density:>1  
Spec Gravity:1.05-1.06  
Evaporation Rate & Reference:Solubility in Water:COMPLETE  
Appearance and Odor:LIQUID;ODOR AND COLOR NOT REPORTED

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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