PRIST HI-FLASH ANTI-ICING AVIATION FUEL ADDITIVES

MSDS Number
BXYHB

National Stock Number
6850-01-377-5314

Product Name
PRIST HI-FLASH ANTI-ICING AVIATION FUEL ADDITIVES

Manufacturer
PPG INDUSTRIES INC

Product Identification
Product ID: PRIST HI-FLASH ANTI-ICING AVIATION FUEL ADDITIVES
MSDS Date: 05/17/1995
FSC: 6850
NIIN: 01-377-5314
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Responsible Party
PPG INDUSTRIES, INC
ONE PPG PLACE
PITTSBURGH, PA 15272
US
Emergency Phone: 205-851-1016/304-843-1300
Cage: DO894

Contractor
PPG INDUSTRIES, INC.
9
ALLISON PARK, PA 15101
US
412-592-5555
Cage: DO894

Ingredients
DIETHYLENE GLYCOL MONOETHYL ETHER
CAS: 111-90-0
RTECS: KK8750000
Fraction By Weight: >99%

Hazards
LD50 LC50 Mixture: ORAL LD50 (RAT) IS 5.5 GM/KG UNDILUTED
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: ACUTE-DIETHYLENE GLYCOL MONOMETHYL ETHER IS AN EYE & MUCOUS MEMBRANE IRRITANT, A NEPHROTOXIN & CENTRAL NERVOUS SYSTEM DEPRESSANT. IT IS TOXIC BY ABSORPTION. CHRONIC-FETAL DEVELOPMENT ABNORMALITIES & EFFECTS ON FERTILITY HAVE BEEN REPORTED TO OCCUR FROM PROLONGED INGESTION BY RATS, MICE & RABBITS.
Explanation of Carcinogenicity: THIS CHEMICAL IS NOT LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN.
Effects of Overexposure: INHALATION-MAY CAUSE IRRITATION TO THE MUCOUS
MEMBRANES. EYE-MAY CAUSE PAIN & TRANSIENT INJURY. SKIN-MATERIAL CAN BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS WHEN CONTACT IS EXTENSIVE & PROLONGED.

Medical Cond Aggravated by Exposure: NONE KNOWN.

**First Aid**

First Aid: INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS HARD, GIVE OXYGEN. CALL PHYSICIAN. EYE OR SKIN-FLUSH EYES & SKIN WITH PLENTY OF WATER (SOAP & WATER FOR S KIN) FOR AT LEAST 15 MIN. CALL PHYSICIAN FOR IRRITATION. INGESTION-IF CONSCIOUS, DRINK LARGE AMOUNTS OF WATER, THEN INDUCE VOMITING BY PLACING FINGER FAR BACK IN THE THROAT. CALL A PHYSICIAN.

**Fire Fighting**

Flash Point Method: TCC
Flash Point: 192°F, 89°C
Lower Limits: 1.2
Upper Limits: 22.0
Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SELF- Contained BREATHING APPARATUS. KEEP PERSONNEL REMOVED AND UPWIND.

Unusual Fire/Explosion Hazard: NONE.

**Accidental Release**

Spill Release Procedures: IMMEDIATELY EVACUATE THE AREA & PROVIDE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY & SKIN/EYE PROTECTION SHOULD BE IN AREA. DIKE AREA TO CONTAIN SPILL. RECOVER SPILLED MATERIAL ON ABSORBENT & SWEEP INTO CLOSED CONTAINER.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

**Handling**

Handling and Storage Precautions: FOR USE ONLY AS AN ANTI-ICING AGENT IN HIGH FLASH JET FUEL ONLY. WHEN HANDLING, WEAR SAFETY GLASSES OR GOGGLES AND IMPERVIOUS GLOVES.

Other Precautions: STORE ONLY IN CLOSED, PROPERLY LABELED CONTAINERS. KEEP AWAY FROM HEAT, SPARKS AND FLAMES. USE PROPER PROPORTIONING EQUIPMENT TO BLEND INTO FUEL. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH EYES AND SKIN. DO NOT SWALLOW.

**Exposure Controls**

Respiratory Protection: USE A HALF MASK FULL FACEPIECE ORGANIC VAPOR CHEMICAL CARTRIDGE OR CANISTER RESPIRATOR WHEN CONCENTRATIONS EXCEED PERMISSIBLE LIMITS. USE SELF-CONTAINED BREATHING APPARATUS OR FULL FACEPIECE AIRLINE RESPIRATOR FOR EMERGENCY.

Ventilation: USE LOCAL EXHAUST OR DILUTION VENTILATION AS APPROPRIATE TO CONTROL EXPOSURES TO BELOW PERMISSIBLE LIMITS.

Protective Gloves: IMPERVIOUS, CHEMICAL RESISTANT, BUTYL.

Eye Protection: SPLASHPROOF GOGGLES IF POTENTIAL FOR SP.

Other Protective Equipment: BOOTS, APRONS OR CHEMICAL SUITS SHOULD BE SUED WHEN NECESSARY TO PREVENT SKIN CONTACT.

Work Hygienic Practices: DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health: DO NOT INHALE. USE ONLY WITH ADEQUATE VENTILATION. COMBUSTIBLE.

**Chemical Properties**

HCC: V2

Boiling Pt.: 192.8°C, 379°F
Melt/Freeze Pt.: -85°C, -121°F
Vapor Press: 0.2 MM
Vapor Density: 4.1
Spec Gravity: 1.023
pH: 7-8

Evaporation Rate & Reference: 0.1 (N-BUTYL ACETATE = 1)
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR, COLORLESS LIQUID, MILD PLEASANT ODOR.
Percent Volatiles by Volume: 100

**Stability**

Stability Indicator/Materials to Avoid: YES
AVOID CONTAMINATION WITH ALKALI AT ELEVATED TEMPERATURES.
Stability Condition to Avoid: NONE.
Hazardous Decomposition Products: BURNING CAN PRODUCE CARBON MONOXIDE OR CARBON DIOXIDE.

**Disposal**

Waste Disposal Methods: IT IS YOUR DUTY TO DISPOSE OF THE CHEMICAL MATERIAL &/OR THEIR CONTAINERS IN ACCORDANCE WITH THE CLEAN AIR ACT, THE CLEAN WATER ACT, & RCRA, AS WELL AS ANY OTHER RELEVANT FEDERAL, STATE OR LOCAL LAW S/REGULATIONS REGARDING DISPOSAL.

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