

PPG INDUSTRIES INC (WAS PITTSBURGH PLATE GLASS CO) -- PRIST HI-FLASH ANTI-ICING AVIATION FUEL ADDITIVE -- 6850-01-377-5074

===== Product Identification =====

Product ID:PRIST HI-FLASH ANTI-ICING AVIATION FUEL ADDITIVE

MSDS Date:05/17/1995

FSC:6850

NIIN:01-377-5074

MSDS Number: BXYGZ

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC (WAS PITTSBURGH PLATE GLASS CO)

Address:ONE PPG PLACE

Cit

y:PITTSBURGH

State:PA

ZIP:15272

Country:US

Info Phone Num:412-434-3131

Emergency Phone Num:304-843-1300

CAGE:47695

=== Contractor Identification ===

Company Name:PPG INDUSTRIES INC

Address:ONE PPG PLACE

Box:City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Phone:1-800-245-2974 (CAL HYPO)

CAGE:47695

Company Name:PPG SALES

Box:UNKNOW

CAGE:53117

===== Composition/Information on Ingredients =====

Ingred Name:DIETHYLENE GLYCOL MONOMETHYL ETHER

CAS:111-77-3

RTECS #:KL6125000

Fraction b

y Wt: >99%

Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 5500 MG/KG.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS,
RESPIRATORY & GI TRACTS. ACUTE- EYE CONTACT MAY CAUSE PAIN. CAN BE
ABSORBED THROUGH SKIN IN TOXIC AMOUNTS. INHALATION OF VAPORS AT
ELEVATED TEMPERATURES

MAY CAUSE CNS DEP RESSION & RESPIRATORY
IRRITATION. LOW IN ORAL TOXICITY. CHRONIC- FETAL DEVELOPMENT
ABNORMALITIES IN RATS, MICE & RABBITS

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, PAIN, DIZZINESS, HEADACHE, NAUSEA,
VOMITING

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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===== First Aid Measures =====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH
AIR. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN.
SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. CALL
PHYSICIAN.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:192F,89C

Lower Limits:1.2

Upper Limits:22

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.
USE WATER SPRAY TO COOL FIRE
EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. EVACUATE PERSONNEL TO A SAFE
AREA.

Unusual Fire/Explosion Hazard:NONE

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===== Accidental Release Measures =====

Spill Release Procedures:PREVENT SKIN AND EYE CONTACT. ABSORB SPILLS
WITH INERT MATERIAL SUCH AS SAND OR VERMICULITE. SCRAPE SPILL UP
INTO NONPOROUS CONTAINERS. DO NOT FLUSH TO SEWER.

Neutralizing Agent:NOT RELEVANT

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Handling and Storage
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Handling and Storage Precautions:STORE IN CLOSED CONTAINER, AWAY FROM HEAT, SPARKS, FLAMES, INCOMPATIBLE MATERIALS.

Other Precautions:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. DO NOT INHALE. DO NOT GET IN EYES OR ON SKIN.

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Exposure Controls/Personal Protection
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Respiratory Protection

:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:ADEQUATE

Protective Gloves:BUTYL RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES/SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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Physical/
Chemical Properties
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HCC:V4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:379F,193C

Melt/Freeze Pt:M.P/F.P Text:-121F,-85C

Vapor Pres:0.2 @ 68F

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

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Stability and Reactivity Data
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Stability Indicator/Materials to

Avoid: YES

ALKALI AT ELEVATED TEMPERATURES

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE

===== Disposal Considerations =====

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

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