

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT HURRISAFE READY TO USE HELICOPTER CLEANER

FILE NO.: 8075
MSDS DATE: 11/11/08

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HURRISAFE
SYNONYMS:
PRODUCT CODES: 8075 Ready-to-Use Helicopter Cleaner

MANUFACTURER: PCI OF AMERICA
DIVISION:
ADDRESS: 2701 TOWER OAKS BLVD, SUITE 300
ROCKVILLE MARYLAND 20852

EMERGENCY PHONE: 1-800 222-1455
OTHER CALLS: 301 468-1700
FAX PHONE: 301 468-1744

CHEMICAL NAME: mixture
CHEMICAL FAMILY:
CHEMICAL FORMULA:

PRODUCT USE: READY TO USE AIRCRAFT CLEANER
PREPARED BY: BOBBIE PETTIT

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

<u>Name</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
EYTHYLENE GLYCOL N BUTYL ETHER	111-76-2	25 PPM	120 MG/M3	<8	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: NA

ROUTES OF ENTRY: Skin,

POTENTIAL HEALTH EFFECTS
EYES: Redness, Irritation possible

SKIN: Irritation, dry skin

INGESTION: none

INHALATION: none

ACUTE HEALTH HAZARDS: None

CHRONIC HEALTH HAZARDS: none

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None

CARCINOGENICITY

OSHA: No

ACGIH: No

NTP: No

IARC: No

OTHER:

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SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Contact physician if irritation persist

SKIN: Wash with soap and water for 15 minutes. If irritation develops seek medical attention.

INGESTION: Give person 2 glasses water if conscious and alert. Contact physician; do not induce vomiting unless directed by medical authority.

INHALATION: Move to fresh air. If not breathing administer artificial respiration.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: This is a relatively innocuous substance not expected to cause harm. Should treatment ever be required, it would be directed at control of symptoms.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: None
(% BY VOLUME) **LOWER:** None

FLASH POINT: None

F:

C:

METHOD USED: TCC

AUTOIGNITION TEMPERATURE: N/A

F: n/a

C: n/a

NFPA HAZARD CLASSIFICATION

HEALTH: 0	FLAMMABILITY: 0	REACTIVITY: 0
OTHER:		

HMIS HAZARD CLASSIFICATION

HEALTH: 0	FLAMMABILITY: 0	REACTIVITY: 0
PROTECTION: A		

EXTINGUISHING MEDIA: Water or fire extinguisher

SPECIAL FIRE FIGHTING PROCEDURES: no special fire fighting procedures required

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Small spills: flush with water, large spills: Use absorbent on spill sweep to clean. Dispose in accordance with local, state and federal laws.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

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NAME OF PRODUCT HURRISAFE READY TO USE HELICOPTER CLEANER
HANDLING AND STORAGE: DO NOT USE OR STORE
NEAR HEAT OR OPEN FLAME.

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OTHER PRECAUTIONS:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION : Normal, forced ventilation should not be required

RESPIRATORY PROTECTION: Not required

EYE PROTECTION: safety glasses

SKIN PROTECTION: Impervious gloves such as neoprene can be used if skin is easily irritated with cleaners

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Wash hands after use. Wear plastic apron if excessive spashing is expected. If clothing becomes soaked, remove shower and wash clothing.

EXPOSURE GUIDELINES: see Section 2

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: liquid

ODOR: Non offensive odor

PHYSICAL STATE: liquid

pH AS SUPPLIED: 11.1- 11.4

pH (Other): diluted 1:3 with water (10.4-10.9)

BOILING POINT:

F: 212

C: 178

MELTING POINT: N/A

F:

C:

FREEZING POINT: 48 or more hours

F: < 32

C: <0

VAPOR PRESSURE (mmHg):

20 @ 14.2 mm Hg

F: 77

C: 25

VAPOR DENSITY (AIR = 1): 0.62

F: 77

C: 25

SPECIFIC GRAVITY (H2O = 1): 1.01

F: 77

C: 25

EVAPORATION RATE: <1

BASIS (Butyl Acetate =1):

SOLUBILITY IN WATER: 100%

PERCENT SOLIDS BY WEIGHT: not tested

PERCENT VOLATILE: N/a

F: 77

C:25

VOLATILE ORGANIC COMPOUNDS (VOC):

SCAQMD Method 313-91

Concentrate: 50 gm/l

Diluted 2:1 with water: 10 gm/l

VOC: PERCENT BY WEIGHT

10 gram/liter = 0.083 454 044 518% pound/gallon [US]

WEIGHT lb/per gallons: 8.45

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: YES

CONDITIONS TO AVOID (STABILITY): None

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid oxidizing material

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: none

CONDITIONS TO AVOID (POLYMERIZATION): None

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Routes of Entry: Skin LCD FOR SKIN ABSORPTION IN RABBITS IS 220MG/KG

Ingestion: The oral LD50 for rats is 470 mg/kg

Inhalation: The LCD 50 for rats 700 ppm in 7 hours

Mutagenicity: In Vitro =mutagenicity studies were inconclusive. Animal mutagenicity studies were negative.

Effects of Chronic exposure to Product: This is relatively innocuous substance not expect to cause harm, should treatment ever be required, it would be directed at control of symptoms.

Irritancy to Product: skin Irritant, may cause skin dryness and irritation.

Synergistic products: None

Evidence of Carcinogenicity, Reproductive, Toxicity, Teratogenicity or mutagenicity: None

Sensitivity to Product: N/A

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Readily biodegradable: as per USEPA 796.3200

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations

RCRA HAZARD CLASS: Considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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SECTION 13: DISPOSAL CONSIDERATIONS (con't)

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SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Cleaning Compound
Non-Hazardous Class: 55
ID NUMBER:
PACKING GROUP:
LABEL STATEMENT: non flammable, non-combustable non-hazardous

WATER TRANSPORTATION

PROPER SHIPPING NAME: Cleaning Compound
NON-HAZARD CLASS: 55
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: non flammable, non-combustable non-hazardous

AIR TRANSPORTATION

PROPER SHIPPING NAME: CLEANING COMPOUND
Non-HAZARD CLASS: 55
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: non flammable, non-combustable non-hazardous

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): none
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): none
311/312 HAZARD CATEGORIES: none
313 REPORTABLE INGREDIENTS: none

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: STORE IN COOL DRY AREA/ PREVENT FREEZING, IF FROZEN ALLOW TO THAW, STIR WELL AND USE.

PREPARATION INFORMATION: BOBBIE PETTIT

DISCLAIMER: