

NFPA

Health – 3
 Flammability – 1
 Reactivity - 0

0 = Minimal Hazard
 4 = Severe Hazard

MATERIAL SAFETY DATA SHEET

Ultra Clean

DUST-AID SENSOR FILTER CLEANER

HMIS

Health – 2
 Flammability – 1
 Reactivity – 0
 Personal Protection – X

0 = Minimal Hazard
 4 = Severe Hazard

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Ultra Clean
CHEMICAL FAMILY Mixture
CHEMICAL USE Cleaner
ISSUE DATE OF MSDS February 15, 2007

MANUFACTURER: **EMERGENCY TELEPHONE:**
 DUST-AID, INC. Tel: (541) 389-7032
 523 NW Flagline Dr.
 Bend, OR 97701 USA

 Tel: (541) 389-7032

4. FIRST AID MEASURES

EYE CONTACT No need for first aid is anticipated.

SKIN CONTACT No need for first aid is anticipated.

INHALATION If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.

INGESTION No need for first aid is anticipated.

2. COMPOSITION / INFORMATION ON INGREDIENTS

PROPRIETARY COMPOSITION

5. FIRE FIGHTING MEASURES

Nonflammable cleaner.

FLASH POINT Not applicable.

LEL 210 g/m3 [ASTM E681-94 Method]

UEL 1070 g/m3 [ASTM E681-94 Method]

EXTINGUISHING MEDIA Material will not burn.

3. HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW

Clear, colorless liquid with a faint odor.

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POTENTIAL HEALTH EFFECTS

EYE CONTACT Irritation is not expected with contact.

SKIN CONTACT Irritation is not expected with contact.

INHALATION If thermal decomposition occurs:
 Maybe harmful if inhaled.

INGESTION No health effects are expected.

CARCINOGENICITY:
NTP No ingredients are listed.

IARC No ingredients are listed.

OSHA No ingredients are listed.

CHRONIC EFFECTS Not determined.

TARGET ORGANS Not determined.

SIGNS AND SYMPTOMS A single response for heart sensitization was witnessed at the level of 49,000 ppm.

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POTENTIAL ENVIRONMENTAL EFFECTS

None known.

FIRE FIGHTING INSTRUCTION Avoid breathing the products and substances that may result from the thermal decomposition of the product or the other substances in the fire zone. Keep containers cool with waterspray when exposed to fire to avoid rupture.

6. ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately, observing precautions in section 8 Personal Protection. Absorb spill with inorganic absorbent material, then place in a chemical waste container.

7. HANDLING AND STORAGE

HANDLING Avoid skin contact with hot material.

STORAGE Keep container in well-ventilated area. Keep container tightly closed. Store away from heat. Store away from strong bases.

SHELF LIFE Two years from date of manufacture when stored in original sealed container at recommended storage temperature range.

STORAGE TEMPERATURE 5–30°C (41–86°F)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS Provide appropriate exhaust when product is heated.

RESPIRATORY PROTECTION None required. If thermal decomposition occurs, use a fullface supplied-air respirator.

SKIN PROTECTION Gloves are not required.

EYE PROTECTION Avoid eye contact.

GENERAL HYGIENE CONSIDERATIONS There are no known health hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common, good industrial hygiene practices: Wash hands after use and before eating. Avoid breathing vapors.

EXPOSURE GUIDELINES

Ingredients	Type	Limit
PROPRIETARY COMPOSITION	TWA, as total isomers	200 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Clear liquid.

ODOR Faint odor.

pH (neat) Not Applicable

BOILING POINT 76°C (169°F)

FREEZE POINT -138°C (-216°F)

SOLUBILITY IN WATER Insoluble.

SPECIFIC GRAVITY (water = 1) 1.43

10. STABILITY AND REACTIVITY

STABILITY Stable liquid.

HAZARDOUS POLYMERIZATION Will not occur.

INCOMPATIBILITIES Strong bases.

DECOMPOSITION PRODUCTS Perfluorinated Acid Fluorides

11. TOXICOLOGICAL INFORMATION:

For a mixture of the proprietary composition and its isomer, A single response for heart sensitization was witnessed at the level of 49,000 ppm. No health affects are expected with normal use and handling.

12. ECOLOGICAL INFORMATION

Contains no CFCs, ODCs, phosphates, silicates, halogens, or phenols.

13. DISPOSAL CONSIDERATIONS

Reclaim if feasible. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material. Combustion products will include HF. Facility must be capable of handling halogenated materials.

(continued)

13. Disposal Considerations (continued)

EPA Hazardous Waste Number (RCRA): Not regulated

(Note: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.)

14. TRANSPORTATION INFORMATION

A. USA

D.O.T. SHIPPING Not regulated

TECHNICAL SHIPPING NAME .. Liquid Cleaner

U.N./N.A. NUMBER None

D.O.T. LABEL None

D.O.T. PLACARD None

FREIGHT CLASS BULK Not Applicable

FREIGHT CLASS PACKAGE Class 55 - Liquid Cleaner

PRODUCT LABEL Liquid Cleaner

B. CANADA: TDG Not regulated.

C. ENGLAND: APPROVED CARRIAGE LIST Not regulated.

15. REGULATORY INFORMATION

A. USA

TSCA STATUS All ingredients are listed on the TSCA Inventory.

SARA TITLE III, 302/303 EHS None.

SARA TITLE III, 304, HS None.

SARA TITLE III, 311/312 None.

SARA TITLE III, 313 None.

B. CANADA WHMIS classification - D.2.B.

C. EC Skin - irritant (Xi).

D. CHIPS Skin - Non-significant irritant.

16. STATE REGULATORY INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

17. OTHER INFORMATION

PREPARED BY R. Wordhouse,
Vice President Marketing

APPROVED BY L. Jespersen,
Director of Quality & Safety

APPROVAL DATE February 15, 2007

The components of this product are in compliance with the chemical notification requirements of ELINCS, METI, CICS, KECI.

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