

NFPA
Health – 3 Flammability – 1 Reactivity - 0
0 = Minimal Hazard 4 = Severe Hazard

MATERIAL SAFETY DATA SHEET
<h1>Ultra Clean</h1>
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	September 15, 2009
MANUFACTURER:	EMERGENCY TELEPHONE:
DUST-AID, INC. 523 NW Flagline Dr. Bend, OR 97701 USA	Tel: (541) 389-7032
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.
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.

3. HAZARDS IDENTIFICATION	
* * * * * EMERGENCY OVERVIEW	
Clear, colorless liquid with a faint odor.	
* * * * * 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.
* * * * * POTENTIAL ENVIRONMENTAL EFFECTS	
None known.	

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

Not regulated per U.S. DOT, IATA or IMO.

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 September 15, 2009

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

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