

Citricut Xtra
Information Pack



Available from Frasers Aerospace

1 St James Rd, Brentwood, Essex, CM14 4LH

www.frasersaerospace.com



CITRICUT XTRA



Part Number: 1 US Gallon – N219A, 5 US Gallon – N219

Pack: 1 & 5 US Gallon

Manufacturer: Nuvite

Approvals: Boeing D6-17487, Douglas CSD#1, AMS 1526C, AMS 1530C, AIMS09-00-002, AMS1650C

HS Commodity Code: USA / HS 340290503

Product Description.

Concentrated Fuselage Gel Cleaner Drywash. CitriCut Xtra, a citrus based cleaner, provides a wide range of airframe cleaning capabilities with the added benefit for fleet livery appearance. Nuvite's exclusive formulation gives exceptional cleaning power while enhancing paint gloss factors. Whether Wetwash with rinse, Waterless Dry-Cleaning to avoid affluent runoff, or Hand Detailing to enhance gloss factors the Nuvite CitriCut Xtra deposits a thin protective sealant against re-soiling and paint oxidation.

CitriCut Xtra offers the versatility of being able to wetwash with up to a 1:20 dilution dependent on soil conditions. Where waterless dry cleaning is preferred a 1:10 dilution can be utilized without the need of capturing affluent rinse runoff. CitriCut Xtra when used strictly as a hand wash/wax detail through a spray bottle application, a dilution of 4:1 is recommended for cleaning with maximum deposition of surface sealant. CitriCut Xtra is recommended for the periodic cleaning of exterior aircraft surfaces in dilutions determined by the extent, condition and type of soil to be removed.

Core Benefits.

- Can be used at 1:8 – 1:20 as needed for wetwash or waterless dry cleaning.
- Hand Wash/Wax detailing while cleaning.
- User and Environmentally friendly.
- Can be used as a penetrating degreaser at full strength.
- Completely biodegradable.
- Wide range of airframe cleaning capabilities – extremely program versatile.

Directions for use.

Routine Cleaning – Wet Wash:

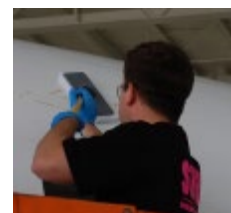
Dilute 1:8-1:20 with water, depending upon soil conditions and cleaning frequency. Apply to aircraft surfaces by spray, mop, or foam application. Agitate surface to loosen soils and rinse clean with water. Allow to dry.

Dry Wash (Rinse free):

Dilute 1:8-1:12 with water, depending upon soil conditions and cleaning frequency. Apply to aircraft surfaces by spray or manually with mop/pad. Agitate surface to loosen soils, then wipe dry with a clean terry towel or string mop, thus allowing sealant to dry.

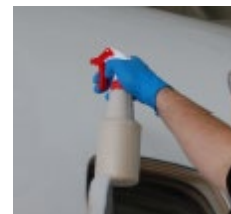
Hand Wash/Wax:

Use full strength concentrate, or up to a 4:1 dilution, depending upon soil conditions. Apply to aircraft surfaces by spray or manually with mophead/pad. Agitate surface with a wash pad to loosen soils. Do not allow work area to dry. Hand buff till dry with clean dry mophead or terry cloth pad.



Chemwipe (Handwash/Wax)

Use at full strength or dilute up to 1:4 (depending on soil amount) with water. Apply onto the aircraft surfaces manually with a mophead / pad. Agitate the painted surface to loosen soiling. Wipe dry with a clean terry towel or mop. Allow to dry.



Safety & storage.

Nuvite CitriCut Xtra does not contain toxic or extremely hazardous ingredients and is not environmentally restricted. Users should exercise routine safety procedures by wearing gloves and goggles while spraying or working with liquid chemical applications.

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Jen Laico
Universal Photonics, Inc.
85 Jetson Lane
Central Islip, NY 11722

Date: 26-Jul-2019

SMI/REF: 1904-689

Product: **CITRI-CUT XTRA (Lot#: L23H01-CCX)** (received 07-May-2019)

Dilution: As received and 1:4

Page 1 of 4

British Aerospace
AIRBUS AIMS09-00-002 (Issue 3, July 2011)
EVALUATION OF MAINTENANCE MATERIALS
Exterior and General Cleaners

5.3.1 Sandwich Corrosion Test	<u>Conforms</u>
5.3.2 Total Immersion Test	<u>Conforms</u>
5.3.3 Hydrogen Embrittlement Test	<u>Conforms</u>
5.3.4 Paint Softening Test	<u>Conforms</u>
5.3.5 Acrylic Crazing Test	<u>Conforms</u>
5.3.6 Polycarbonate Crazing Test	<u>Does not conform</u>

Respectfully submitted,



Patricia D. Viani,
SMI Inc.

Client: Universal Photonics, Inc.
 Product: **CITRI-CUT XTRA (Lot#: L23H01-CCX)**
 Dilution: As received and 1:4
 AIMS 09-00-002 (Issue 3)

Date: 26-Jul-2019
 SMI/REF: 1904-689

Page 2 of 4

5.3.1 Sandwich Corrosion Test: Testing shall be in accordance with ASTM-F-1110 using:

- aluminium alloy 2024 T3 clad against
- anodised aluminium alloy 2024 T3 unclad and
- anodised aluminium alloy 7075 T6 unclad.

After the test the aluminium alloy specimens shall show a rating less than or equal to 1 or no worse than a control sample prepared with distilled water.

	Aluminium alloy 2024 T3 clad against Anodised alum. 2024 T3 unclad	Aluminium alloy 2024 T3 clad against Anodised alum. 7075 T6 unclad
AS RECEIVED	2024 T3 clad: 1 2024 T3 unclad anodised: 1	2024 T3 clad: 1 7075 T6 unclad anodised: 1
DILUTE	2024 T3 clad: 1 2024 T3 unclad anodised: 1	2024 T3 clad: 1 7075 T6 unclad anodised: 1
CONTROL	2024 T3 clad: 1 2024 T3 unclad anodised: 1	2024 T3 clad: 1 7075 T6 unclad anodised: 1

Result Conforms

5.3.2 Total Immersion Test: Testing shall be in accordance with ASTM-F-483 using:

- aluminium alloys as per 5.3.1. above
- low carbon steel, e.g. AMS 5045, XC18 or equivalent
- cadmium plated steel, e.g. AMS 5045, XC18 (or equivalent), plated in accordance with AMS QQ-P-416 Type I Class 1 (or equivalent)

The immersion time shall be (24 ± 0.5) h. The immersion temperature shall be $(23 \pm 2)^{\circ}\text{C}$.

No significant visual change shall be evident. The max. permitted weight changes are as follows:

Aluminum alloy = **0.02 mg/cm²** maximum.
 Low carbon steel = **0.8 mg/cm²** maximum
 Cadmium plated steel = **0.3 mg/cm²** maximum

ALLOY	WEIGHT CHANGE	
	AS RECEIVED	DILUTE
Aluminum alloy 2024-T3 clad	0.02 mg/cm ² /24 hrs	0.01 mg/cm ² /24 hrs
Anodized aluminum alloy 2024-T3 unclad	0.02 mg/cm ² /24 hrs	< 0.01 mg/cm ² /24 hrs
Anodized aluminum alloy 7075-T6 unclad	0.02 mg/cm ² /24 hrs	< 0.01 mg/cm ² /24 hrs
Low carbon steel AMS 5045	0.03 mg/cm ² /24 hrs	0.02 mg/cm ² /24 hrs
Cadmium plated steel AMS 5045 plated i.a.w. AMS-QQ-P-416 Type I Class 1	0.02 mg/cm ² /24 hrs	0.02 mg/cm ² /24 hrs

Result Conforms

Client: Universal Photonics, Inc.
Product: CITRI-CUT XTRA (Lot#: L23H01-CCX)
Dilution: As received and 1:4
AIMS 09-00-002 (Issue 3)

Date: 26-Jul-2019
SMI/REF: 1904-689

Page 3 of 4

- 5.3.3 Hydrogen Embrittlement Test: The product shall be non-embrittling as determined in accordance with ASTM F 519, using type 1a, 1c, or 2a specimens, cadmium plated in accordance with MIL-STD-870, Class 1, Type I. Type 1a and Type 1c specimens shall be loaded to 45% of the predetermined notch fracture strength and Type 2a specimens loaded to 80% of the yield strength. The entire 2a stressed specimen, or just the notched area of the 1a and 1c stressed specimen, shall be immersed continuously in the solution under test for 150 hours at a temperature between 20-30°C (68-86°F).
The maintenance material being tested shall not cause embrittlement of the test specimens.

Specimens: Type 1c, cadmium plated

As received:
Specimen #1: No failures occurred within 150 hours.
Specimen #2: No failures occurred within 150 hours.
Specimen #3: No failures occurred within 150 hours.
Specimen #4: No failures occurred within 150 hours.

Dilute:
Specimen #1: No failures occurred within 150 hours.
Specimen #2: No failures occurred within 150 hours.
Specimen #3: No failures occurred within 150 hours.
Specimen #4: No failures occurred within 150 hours.

Result Conforms

- 5.3.4 Paint Softening Test: Maintenance material compatibility shall be tested with Airbus approved paints and/or customer specific systems. Testing shall consist of three specimens for each of the following combinations. The substrate shall be clad aluminium alloy 2024 suitably pre-treated:

- Epoxy primer of polyurethane primer with or without polyurethane topcoat (interior paint scheme according to TN A.007.10050 OR epoxy primer to MIL-PRF-23377 Type I with or without polyurethane topcoat to MIL-PRF-85285 Type I or customer specific system).
- Basic primer plus relevant exterior paint scheme according to TN A.007.10050 OR epoxy primer to MIL-PRF-23377 Type I with polyurethane topcoat to MIL-PRF-85285 Type I OR external paint scheme conforming to AMS 3095 OR customer specific system.

The thickness and drying times of individual coats shall be in accordance with the manufacturer's instruction sheets. Testing shall be in accordance with ISO 1518 "Scratch Test" using the following test sequence: one hour immersion in the maintenance material at an ambient temperature (23 ± 2)°C, rinsing with water immediately after the immersion and drying for 1 hour at room temperature. The material shall not soften the paint coat and the Scratch Test shall have 90% of the original value after the immersion.

The agent being tested shall not produce any blistering, discoloration or staining.

Client: Universal Photonics, Inc.
 Product: **CITRI-CUT XTRA (Lot#: L23H01-CCX)**
 Dilution: As received and 1:4
 AIMS 09-00-002 (Issue 3)

Date: 26-Jul-2019
 SMI/REF: 1904-689

Page 4 of 4

5.3.4 Paint Softening Test: continued

Paint System		Weight required to produce scratch	
		Before exposure	After exposure
AS RECEIVED	Epoxy Primer without topcoat: Primer: MIL-PRF-23377 Type I, Epoxy, High Solids	Pass*	Pass*
	Epoxy primer with polyurethane topcoat: Primer : MIL-PRF-23377 Type I, Epoxy, High Solids Topcoat: MIL-PRF-85285 Type I, Polyurethane, High solids	Pass*	Pass*
DILUTE	Epoxy Primer without topcoat: Primer: MIL-PRF-23377 Type I, Epoxy, High Solids	Pass*	Pass*
	Epoxy primer with polyurethane topcoat: Primer : MIL-PRF-23377 Type I, Epoxy, High Solids Topcoat: MIL-PRF-85285 Type I, Polyurethane, High solids	Pass*	Pass*

* Using a 2,000 gram load (maximum load of the scratch apparatus)

*Conformance ("Pass") if no scratch occurs using a load equal to or greater than 1,800 grams (90% of 2,000 = 1,800), and there is no evidence of blistering, discoloration or staining.

Result *Conforms

5.3.5 Acrylic Crazing Test: Material conforming to MIL-P-25690 Type C shall be tested in accordance with ASTM-F-484. The maintenance materials shall not craze, crack, stain or discolor the test specimens.

As received: No evidence of craze, crack, stain or discolor.

Dilute: No evidence of craze, crack, stain or discolor.

Result Conforms

5.3.6 Polycarbonate Crazing Test: Material conforming to ASTM-D-3935 or AMS-P-83310 shall be tested in accordance with the method for the determination of stress crazing detailed in ASTM F 484.

Specimens shall be stressed for (30 ± 2) minutes to an outer stress of 21MPa (3000 psi) at a temperature of $(23 \pm 2)^{\circ}\text{C}$.

As received: Evidence of craze, crack, stain or discolor.

Dilute: Evidence of craze, crack, stain or discolor.

Result Does not conform

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Clifford Lester
Nuvite Chemical Compounds Corp.
213 Freeman Street
Brooklyn, NY 11222

Date: 02-Dec-2011

SMI/REF: 1111-946

Product: **CITRI-CUT-XTRA (Lot # 131-125)**
(received 17-Nov-2011)

Dilution: As received and 20% by volume

Page 1 of 4

AMS 1526C
Cleaner for Aircraft Exterior Surfaces
Water-Miscible, Pressure-Spraying Type

Fraser's Aerospace Document Library

FRASERS
AEROSPACE

www.frasersaerospace.com

3.2.1.1	Sandwich Corrosion	Conforms
3.2.1.2	Total Immersion Corrosion	Conforms
3.2.1.3	Low-Embrittling Cadmium Plate	Conforms
3.2.2	Hydrogen Embrittlement	Conforms
3.2.3	Flash Point	Conforms
3.2.4	Effect on Transparent Acrylic Plastics	Conforms
3.2.5	Effect on Painted Surfaces	Conforms
3.2.6	Effect on Unpainted Surfaces	Conforms
3.2.7	Storage Stability	Not performed

Respectfully submitted,



Patricia D. Viani, SMI Inc.

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Clifford Lester
Nuvite Chemical Compounds Corp.
213 Freeman Street
Brooklyn, NY 11222

Date: 02-Dec-2011

SMI/REF: 1111-946

Product: **CITRI-CUT-XTRA (Lot # 131-125)**
(received 17-Nov-2011)

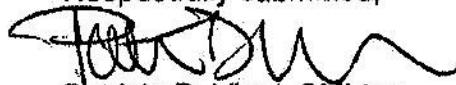
Dilution: As received and 20% by volume

Page 1 of 4

AMS 1530C
Cleaner for Aircraft Exterior Surfaces
Wipe-On Wipe-On

3.2.1.1	Sandwich Corrosion	Conforms
3.2.1.2	Total Immersion Corrosion	Conforms
3.2.1.3	Low-Embrittling Cadmium Plate	Conforms
3.2.2	Hydrogen Embrittlement	Conforms
3.2.3	Flash Point	Conforms
3.2.4	Effect on Plastics	Conforms
3.2.5	Effect on Painted Surfaces	Conforms
3.2.6	Effect on Unpainted Surfaces	Conforms
3.2.7	Abrasive Effects	Conforms
3.2.8	Storage Stability	Not performed

Respectfully submitted,



Patricia D. Viani, SMI Inc.

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Clifford Lester
Nuvite Chemical Compounds Corp.
213 Freeman Street
Brooklyn, NY 11222

Date: 02-Dec-2011

SMI/REF: 1111-946

Product: CITRI-CUT-XTRA (Lot # 131-125)
(received 17-Nov-2011)

Dilution: As received and 20% by volume

Page 1 of 3

BOEING D6-17487 REVISION R
Exterior and General Cleaners and Liquid Waxes,
Polishes and Polishing Compounds

Fraser's Aerospace Document Library



www.fraser'aerospace.com

Sandwich Corrosion Test

Conforms

Acrylic Crazing Test

Conforms

Paint Softening Test

Conforms

Hydrogen Embrittlement Test

Respectfully submitted,

Patricia D. Viani, SMI, Inc.

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Clifford Lester
Nuvite Chemical Compounds Corp.
213 Freeman Street
Brooklyn, NY 11222

Date: 02-Dec-2011

SMI/REF: 1111-946

Product: **CITRI-CUT-XTRA (Lot # 131-125)**
(received 17-Nov-2011)

Dilution: As received and 20% by volume

Page 1 of 4

Douglas Aircraft Company Customer Service Document CSD No. 1

Reissued July 1997

Type I: Materials and Procedures for General Exterior
Cleaning of Painted and Unpainted Surfaces
(General Purpose Cleaner)

Fraser's Aerospace Document Library



www.frasersaerospace.com

Effect on Painted Surfaces

Conforms

Residue

Conforms

Sandwich Corrosion

Conforms

Stress Cracking Test on Acrylic Plastics

Conforms

Immersion Corrosion, Aluminum

Conforms

Cadmium Removal

Conforms

Hydrogen Embrittlement

Conforms

Respectfully submitted,

Patricia D. Viani, SMI Inc.



495 WEST JOHN STREET HICKSVILLE, NEW YORK 11801

516.935.4000 FAX 516.935.4039

WWW.NUVITECHEMICAL.COM

WWW.UNIVERSALPHOTONICS.COM

SAFETY DATA SHEET: CITRI-CUT-XTRA

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

1.0 APPLICABLE PART #: PC23061GL, PC23061QT, PC230655GL, PC23065GL, PC2306S, PC2306S2

1.1 IDENTITY: Citri-Cut-Xtra

1.2 INTENDED USE: Cleaning Compound

1.3 SUPPLIER: Universal Photonics, Inc.
495 West John Street
Hicksville, NY 11801

FOR INFORMATION CALL

CUSTOMER SERVICE: (516) 935-4000

DATE PREPARED: July 8, 2015

1.4 EMERGENCY TELEPHONE NUMBER: 1.866.519.4752

3-E COMPANY - ACCT # 3665

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF SUBSTANCE: Not Applicable

2.2 GHS LABEL ELEMENTS:

HAZARD PICTOGRAM: None

HAZARD SYMBOL: Not Applicable

SIGNAL WORD: Not Applicable

HAZARD STATEMENTS: H316 – Causes mild skin irritation
H319 - Causes serious eye irritation

PRECAUTIONARY STATEMENTS: P233 - Keep container tightly closed
P262 - Do not get in eyes, on skin, or on clothing
P264 - Wash hands thoroughly after handling
P280 – Wear protective gloves/eye protection/protective clothing

PREVENTION: Wear protective gloves. Wear eye protection to include splash goggles. Wear protective clothing. Use with ventilation. Wash hands after handling.

RESPONSE: In the event of skin, eye, respiratory contact or ingestion, seek medical attention immediately.

STORAGE: Keep container tightly closed when not in use. Do not return spent material back to original container.

DISPOSAL: Dispose of waste in accordance with all regulatory agencies.

2.3 HAZARDS NOT OTHERWISE CLASSIFIED: None known

2.4 UNKNOWN ACUTE TOXICITY: None known



495 WEST JOHN STREET HICKSVILLE, NEW YORK 11801

516.935.4000 FAX 516.935.4039

WWW.NUVITECHEMICAL.COM

WWW.UNIVERSALPHOTONICS.COM

SAFETY DATA SHEET: CITRI-CUT-XTRA

SECTION 3: COMPOSITION INFORMATION

COMPONENTS	CAS #	WEIGHT %
Trade Secret Information *	N/A	100%

NOTE: *Non-Regulated components are proprietary, confidential, and trade secret.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

SKIN:	Remove soiled clothing and flush with soap and water.
EYES:	Flush with water for 20 minutes and immediately seek medical attention.
INHALATION:	Administer fresh air or oxygen.
INGESTION:	Induce vomiting. Immediately seek medical attention urgently. Maintain an open airway.

4.2 MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE & DELAYED:

SKIN CONTACT:	May cause dryness & defatting.
EYE CONTACT:	Will cause moderate irritation upon direct contact.
INHALATION:	Breathing high concentrations may irritate nose and throat.
INGESTION:	Will cause serious gastric disturbances.
ENVIRONMENT:	None known.
CHRONIC:	None known

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

Immediately contact physician for further medical advice.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:	Water spray, foam, dry chemical, CO ₂
UNSUITABLE EXTINGUISHING MEDIA:	None Known



495 WEST JOHN STREET HICKSVILLE, NEW YORK 11801

516.935.4000 FAX 516.935.4039

WWW.NUVITECHEMICAL.COM

WWW.UNIVERSALPHOTONICS.COM

SAFETY DATA SHEET: CITRI-CUT-XTRA

5.2 SPECIFIC HAZARDS ARISING FROM THE MIXTURE:

FIRE HAZARD:	None
EXPLOSION HAZARD:	None
REACTIVITY:	None
EXPOSURE HAZARDS:	Oxides of carbon.
UNUSUAL FIRE/EXPLOSION HAZARD:	None

5.3 SPECIAL PROTECTIVE EQUIPMENT: Wear full protective safety equipment as standard practice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

NON-EMERGENCY PERSONNEL:	Wear appropriate personal protection equipment (PPE). Avoid contact with skin & eyes. Do not walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
EMERGENCY RESPONDERS:	Take note of any special instructions in Section 8.

6.2 ENVIRONMENTAL PRECAUTIONS: Do not introduce material directly into natural waterways such as rivers, lakes, streams, etc. or drains & sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:

SMALL SPILL:	Stop leak if safe to do so. Use inert absorbent material and dispose in proper chemical waste container or to approved waste treatment areas.
LARGE SPILL:	Stop leak if safe to do so, Approach release from upwind. Prevent entry into sewers or natural waterways. Contain and collect with inert absorbent material and place in container for disposal according to local regulations (See Section 13). Dispose via a licensed waste disposal contractor.

6.4 REFERENCE TO OTHER SECTIONS: See Section 8, Exposure Controls & Personal Protection

SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING: Use recognized standard safety practices. Handle with care to avoid contact.

7.2 CONDITIONS FOR SAFE STORAGE: When not in use, keep closure on container closed. Store indoors. Keep away from heat and freezing conditions.

SAFETY DATA SHEET: CITRI-CUT-XTRA

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

NOT APPLICABLE

8.2 EXPOSURE CONTROLS:

CONTROL PARAMETERS:

General ventilation to control worker exposure to airborne contaminants. Ensure that emergency eyewash stations are in the immediate vicinity of any potential exposure.

ENGINEERING CONTROLS:

If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust or other engineering controls to keep worker exposure below any recommended or statutory limits.

PERSONAL PROTECTIVE CONTROLS:

HYGENE MEASURES:

Wash hands, forearms and face thoroughly after handling product. Remove contaminated clothing and wash before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SKIN PROTECTION:

Chemical resistant, impervious gloves are recommended if exposure is prolonged – Neoprene type. Personal protective clothing for the body should be selected based upon the task being performed.

EYES:

Avoid eye contact. Protective safety eyewear goggles are recommended if to avoid exposure to liquid splashes, mists, and dusts or when working on overhead structures if direct contact is evident.

RESPIRATORY:

Should vapors exceed PEL, wear NIOSH approved dust & organic vapor respirator.

8.3 PERSONAL PROTECTIVE EQUIPMENT (PPE):



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

Liquid

COLOR

Orange / Translucent

ODOR:

Citrus odor - medium

ODOR THRESHOLD

Not determined

PH

12.1 – 12.5



495 WEST JOHN STREET HICKSVILLE, NEW YORK 11801

516.935.4000 FAX 516.935.4039

WWW.NUVITECHEMICAL.COM

WWW.UNIVERSALPHOTONICS.COM

SAFETY DATA SHEET: CITRI-CUT-XTRA

SOLUBILITY:	Soluble in water
FLASH POINT:	212°F
LOWER FLAMMABLE LIMIT	None
UPPER FLAMMABLE LIMIT	None
AUTOIGNITION TEMPERATURE	Not applicable
DECOMPOSITION TEMPERATURE	Not applicable
FLAMMABILITY:	Not applicable
SPECIFIC GRAVITY:	1.02 at 25°C
BOILING POINT (°F):	212 °F
VAPOR PRESSURE:	18 at 20°C
VAPOR DENSITY:	Greater than 1 (Air = 1)
MELTING POINT (°F):	Not applicable
FREEZING POINT	Not applicable
EVAPORATION RATE:	Less than 1 (Butyl Acetate = 1)
VISCOSITY:	Not applicable
PARTITION COEFFICIENT N-OCTANOL / WATER:	Not Determined

SECTION 10: STABILITY & REACTIVITY

10.1 REACTIVITY:	None
10.2 CHEMICAL STABILITY:	Stable
10.3 HAZARDOUS REACTIONS:	None
HAZARDOUS POLYMERIZATION:	None
10.4 CONDITIONS TO AVOID:	None
10.5 INCOMPATIBLE MATERIALS:	Strong acid, alkali, oxidizing agents
10.6 HAZARDOUS DECOMPOSITION OF PRODUCTS:	Oxides of carbon



495 WEST JOHN STREET HICKSVILLE, NEW YORK 11801

516.935.4000 FAX 516.935.4039

WWW.NUVITECHEMICAL.COM

WWW.UNIVERSALPHOTONICS.COM

SAFETY DATA SHEET: CITRI-CUT-XTRA

SECTION 11: TOXICOLOGICAL INFORMATION

NOTE: Primary route of entry is through skin with secondary route through inhalation.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY: Not classified.

LD50:

SKIN: Not established

INHALATION: Not established

INGESTION: Not established

11.2 POTENTIAL ACUTE HEALTH EFFECTS:

SKIN: Possible irritation and drying during prolonged contact

EYES: Will cause moderate irritation and cornea damage upon direct contact

RESPIRATORY: May irritate nose & throat when breathing high concentrations

INGESTION: Will cause serious gastric disturbances

SYMPTOMS AFTER CONTACT:

SKIN: Irritation, dryness, redness

EYES: Pain, watering, burning, redness, moderate irritation

RESPIRATORY: Irritation, asthmatic systems, dizziness

INGESTION: Stomach pain, gastric disturbances

11.3 CHRONIC HEALTH EFFECTS: No known significant effects or critical hazards

11.4 CARCINOGENICITY:

NTP: None

IARC: None

OSHA: None



495 WEST JOHN STREET HICKSVILLE, NEW YORK 11801

516.935.4000 FAX 516.935.4039

WWW.NUVITECHEMICAL.COM

WWW.UNIVERSALPHOTONICS.COM

SAFETY DATA SHEET: CITRI-CUT-XTRA

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY:	Not known.
12.2 PERSISTENCE & DEGRADABILITY:	Not considered to be a waste or environmental hazard. Biodegradable.
12.3 BIOACCUMULATIVE POTENTIAL:	Not known
12.4 MOBILITY IN SOIL:	Not known
12.5 OTHER ADVERSE EFFECTS:	No known significant effects or critical hazards

SECTION 13: DISPOSAL INFORMATION

13.1 WASTE TREATMENT METHODS:	For small spills, contain all residues with inert absorbent material and dispose in chemical recycle container. For large spills, stop leak if safe to do so. Approach release from upwind. Dyke or dam area and vacuum all wet areas for recycle by a licensed waste disposal contractor. Avoid contact with soil, waterways, drains, and sewers unless such drains & sewers are fully compliant with the requirements of all authorities for disposal. Consult all Federal, State, & Local Regulatory authorities for proper disposal.
-------------------------------	--

SECTION 14: TRANSPORTATION INFORMATION

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PACKING GROUP	LABEL	ADDITIONAL INFORMATION
DOT CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
TDG CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
ADR/RID CLASS	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
IMDG CLASS	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
IATA-DGR	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE

SECTION 15: REGULATORY INFORMATION

15.1 U.S. FEDERAL REGULATIONS:

OSHA HAZARD COMMUNICATION STANDARD:	Non-regulated
TSCA	Non-regulated
SARA (302/304):	Non-regulated
SARA (311/312):	Non-regulated



495 WEST JOHN STREET HICKSVILLE, NEW YORK 11801

516.935.4000 FAX 516.935.4039

WWW.NUVITECHEMICAL.COM

WWW.UNIVERSALPHOTONICS.COM

SAFETY DATA SHEET: CITRI-CUT-XTRA

SARA TITLE III:

This product does not contain any chemical subject to the reporting requirements of Section 313.

OTHER REGULATORY STANDARDS:

Not regulated per 29 CFR 1900.1000 - 1500, 40 CFR PART 261.3, 302.4, 355, 370, 372

15.2 STATE REGULATIONS:

Non-regulated

15.3 INTERNATIONAL REGULATIONS:

Non-regulated per EINECS / ELINCS / DSL / NDSL / IECSC / ENS / ECL / PICCS

SECTION 16: OTHER INFORMATION

HMIS RATING:

Health 2, Flammability 0, Reactivity 0, Personal Protection B.

NFPA RATING:

Health 2, Flammability 0, Reactivity 0



DEFINITIONS:

DOT –	Department of Transportation
GHS –	The Globally Harmonized System of Classification and Labeling of Chemicals
HMIS –	Hazardous Materials Identification System
NIOSH –	National Institute for Occupational Safety and Health
NORM –	Natural Occurring Radioactive Materials
IATA –	International Air Transportation Association
IMO –	International Maritime Organization
OSHA –	Occupational Safety & Health Administration
TSCA –	Toxic Substance Control Act

SDS Revision #: 2

DISCLAIMER

THIS SDS IS OFFERED IN GOOD FAITH WITHOUT WARRANTY OR REPRESENTATION SOLELY FOR THE BUYER'S USE IN THE EVALUATION OF THIS PRODUCT WITH RESPECT TO SAFETY, HEALTH, AND ENVIRONMENTAL USE. IT IS THE RESPONSIBILITY OF THE BUYER AND END USER TO DETERMINE THE DATA, INFORMATION WITH RESPECT TO APPLICABLE LAWS AND REGULATIONS, AND THE FITNESS & CHARACTER OF THIS PRODUCT PRIOR TO FULL SCALE USE. UNIVERSAL PHOTONICS AND OR NUVITE CHEMICAL COMPOUNDS (SELLER) ASSUMES NO LEGAL LIABILITY FOR ANY INJURY, ACCIDENT, LOSS, OR DAMAGE THROUGH THE USE OF THIS PRODUCT OF WHICH SUCH USES ARE BEYOND SELLER'S CONTROL.citricutxtra.07.15.sds