Safety Data Sheet According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations Revision Date: 03/03/2016 Date of issue: 03/03/2016

**SECTION 1: IDENTIFICATION** 

#### 1.1. Product Identifier

Product Form: Mixture

Product Name: UC+

#### 1.2. Intended Use of the Product

Cleaner, degreaser

#### **1.3.** Name, Address, and Telephone of the Responsible Party

**Company** Phase III, Inc. 315 E. Warner Rd., Suite 3

Chandler, Arizona 85225 USA

#### 1.4. Emergency Telephone Number

Emergency Number : 1-480-503-2847 (M - F 7:00 am - 4:00 pm. CMT)

# **SECTION 2: HAZARDS IDENTIFICATION**

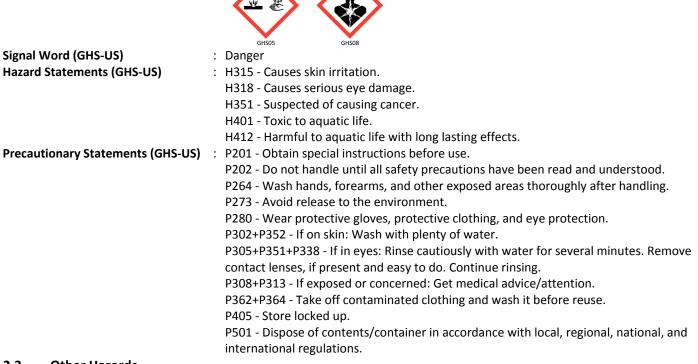
#### 2.1. Classification of the Substance or Mixture

GHS-US classificationSkin Irrit. 2H315Eye Dam. 1H318Carc. 2H351Aquatic Acute 2H401Aquatic Chronic 3H412Full text of hazard classes and H-statements : see section 16

#### 2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



## 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

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2.4. Unknown Acute Toxicity (GHS-US) No data available

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

# 3.1. Substances

Not applicable

#### 3.2. Mixture

Name	Product Identifier	% (w/w)	GHS-US classification
1-Dodecanamine, N,N-dimethyl-, N-oxide	(CAS No) 1643-20-5	8.5 - 10.5	Acute Tox. 4 (Oral), H302
			Skin Irrit. 2, H315
			Eye Dam. 1, H318
			Aquatic Acute 1, H400
			Aquatic Chronic 2, H411
Coconut diethanolamide	(CAS No) 68603-42-9	4 - 5.5	Skin Irrit. 2, H315
			Eye Irrit. 2A, H319
			Carc. 2, H351
			Aquatic Acute 2, H401
Citric acid	(CAS No) 77-92-9	0.1 - 1,	Comb. Dust
		1 - 1.5	Eye Irrit. 2A, H319
Isopropyl alcohol	(CAS No) 67-63-0	0.01 - 0.1,	Flam. Liq. 2, H225
		0.1 - 1	Eye Irrit. 2A, H319
			STOT SE 3, H336

A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

#### **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

#### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Causes skin irritation. Causes serious eye damage. Suspected of causing cancer.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Causes skin irritation. Symptoms may include redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

Chronic Symptoms: Suspected of causing cancer.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

# SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable.

Explosion Hazard: Product is not explosive.

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**Reactivity:** Hazardous reactions will not occur under normal conditions.

# 5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Sulfur oxides.

Other Information: Do not allow run-off from fire fighting to enter drains or water sources.

#### **Reference to Other Sections**

Refer to section 9 for flammability properties.

# SECTION 6: ACCIDENTAL RELEASE MEASURES

## 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

#### 6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

#### 6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

## 6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

# SECTION 7: HANDLING AND STORAGE

## 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do NOT breathe mist, vapors, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

## 7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Storage Temperature: 0 - 60 °C (32 - 140 °F)

## 7.3. Specific End Use(s)

Cleaner, degreaser

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

#### Isopropyl alcohol (67-63-0)

Mexico	OEL TWA (mg/m³)	980 mg/m³
Mexico	OEL TWA (ppm)	400 ppm
Mexico	OEL STEL (mg/m³)	1225 mg/m <sup>3</sup>

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	Québec	VEMP (mg/m <sup>3</sup> )	985 mg/m <sup>3</sup>
	Québec	VEMP (ppm)	400 ppm
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Yukon OEL STEL (ppm) 500 ppm			
Yukon     OEL TWA (mg/m³)     980 mg/m³			
Yukon OEL TWA (ppm) 400 ppm		5	

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#### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles.

Skin and Body Protection: Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke

# SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

9.1. Information on Basic Physical and Che	mic	cal Properties
Physical State	:	Liquid
Appearance	:	Peach colored liquid
Odor	:	Green apple
Odor Threshold	:	Not available
рН	:	9 - 10
Evaporation Rate	:	Not available
Melting Point	:	Not available
Freezing Point	:	0 °C (32 °F)(Approximate value)
Boiling Point	:	Not available
Flash Point	:	> 149 °C (300 °F)(Estimated)
Auto-ignition Temperature	:	Not available
Decomposition Temperature	:	Not available
Flammability (solid, gas)	:	Not available
Lower Flammable Limit	:	Not available
Upper Flammable Limit	:	Not available
Vapor Pressure	:	Not available
Relative Vapor Density at 20 °C	:	> 1 (Air = 1)
Relative Density	:	Not available
Specific Gravity	:	1.02
Solubility	:	100% soluble in water
Partition Coefficient: N-Octanol/Water	:	Not available
Viscosity	:	Not available
Explosion Data – Sensitivity to Mechanical Impact	:	Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	:	Not expected to present an explosion hazard due to static discharge.

## **SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.

**10.2.** Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

**10.3.** Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

- **10.4.** Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.
- **10.5.** Incompatible Materials: Strong acids, strong bases, strong oxidizers.
- **10.6.** Hazardous Decomposition Products: Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Sulfur oxides.

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# **SECTION 11: TOXICOLOGICAL INFORMATION**

## 11.1. Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.

**pH:** 9 - 10

Serious Eye Damage/Irritation: Causes serious eye damage.

**pH:** 9 - 10

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not classified

Carcinogenicity: Suspected of causing cancer.

#### Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation. Symptoms may include redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Suspected of causing cancer.

# **11.2.** Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)			
ATE US (oral)	500.00 mg/kg body weight		
Coconut diethanolamide (68603-42-9)			
LD50 Oral Rat	12400 mg/kg		
LD50 Dermal Rabbit	> 2000 mg/kg		
Isopropyl alcohol (67-63-0)			
LD50 Oral Rat	4710 mg/kg		
LD50 Dermal Rabbit	4059 mg/kg		
LC50 Inhalation Rat	72.6 mg/l/4h (Exposure time: 4 h)		
LC50 Inhalation Rat	72.5 mg/l/4h		
Citric acid (77-92-9)			
LD50 Oral Rat	5400 mg/kg		
LD50 Dermal Rat	> 2000 mg/kg		
Coconut diethanolamide (68603-42-9)			
IARC Group	2B		
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.		
Isopropyl alcohol (67-63-0)			
IARC Group	3		

# SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5)		
ErC50 (algae) 0.11 mg/l (72 hour)		
Coconut diethanolamide (68603-42-9		
LC50 Fish 1	3.6 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])	
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EC50 Daphnia 1	2.15 mg/l (Exposure time: 48 h - Species: Daphnia pulex [Static])		
ErC50 (algae)	2.2 mg/l (Exposure time: 72 h - Species: Scenedesmus subspicatus)		
Isopropyl alcohol (67-63-0)			
LC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)		
LC 50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)		
Citric acid (77-92-9)			
LC50 Fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])		

#### 12.2. Persistence and Degradability

UC+	
Persistence and Degradability	May cause long-term adverse effects in the environment.
Citric acid (77-92-9)	
Persistence and Degradability	Readily biodegradable in water.
12.2 Biogeournulative Detential	

## 12.3. Bioaccumulative Potential

UC+		
<b>Bioaccumulative Potential</b>	Not established.	
Isopropyl alcohol (67-63-0)		
Log Pow	0.05 (at 25 °C)	
Citric acid (77-92-9)		
Log Pow	-1.72 (at 20 °C)	

**12.4.** Mobility in Soil Not available

# 12.5. Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

# 13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

# SECTION 14: TRANSPORT INFORMATION

- **14.1.** In Accordance with DOT Not regulated for transport
- **14.2.** In Accordance with IMDG Not regulated for transport
- 14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

# **SECTION 15: REGULATORY INFORMATION**

15.1. US Federal Regulations

UC+		
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	
	Delayed (chronic) health hazard	
1-Dodecanamine, N,N-dimethyl-, N-oxide (1643-20-5	5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Coconut diethanolamide (68603-42-9)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Isopropyl alcohol (67-63-0)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
Subject to reporting requirements of United States SARA Section 313		

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EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)

# Citric acid (77-92-9)

Listed on the United States TSCA (Toxic Substances Control Act) inve	ntory
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SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

# 15.2. US State Regulations

Coconut diethanolamide (68603-42-9)	
U.S California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of
	California to cause cancer.

#### Isopropyl alcohol (67-63-0)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) List

## 15.3. Canadian Regulations

UC+	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	nethyl-, N-oxide (1643-20-5)
	L (Domestic Substances List)
Listed on the Canadian IDL	. (Ingredient Disclosure List)
IDL Concentration 1 %	
WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Coconut diethanolamide	(68603-42-9)
Listed on the Canadian DS	L (Domestic Substances List)
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Isopropyl alcohol (67-63-0	
Listed on the Canadian DS	L (Domestic Substances List)
Listed on the Canadian IDL	. (Ingredient Disclosure List)
IDL Concentration 1 %	
WHMIS Classification	Class B Division 2 - Flammable Liquid
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Citric acid (77-92-9)	
Listed on the Canadian DS	L (Domestic Substances List)
Listed on the Canadian IDL	(Ingredient Disclosure List)
IDL Concentration 1 %	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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# SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** 

- : 03/03/2016
- Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### **GHS Full Text Phrases:**

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 2	Carcinogenicity Category 2
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
Comb. Dust	May form combustible dust concentrations in air
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS