



# Safety Data Sheet

Issue Date: 21-Feb-2023

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** United 146 ATOMIC No.6

### Other means of identification

**SDS #** UNITED-146

### Recommended use of the chemical and restrictions on use

**Recommended Use** Heavy-Duty Carbon Remover

**Uses Advised Against** For industrial and institutional use only.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com

### Emergency Telephone Number

**Company Phone Number** 800-323-2594 (to reorder)

**Emergency Telephone (24 hr)** INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Pale Yellow Spray

**Physical State** Aerosol

**Odor** Ammonia odor

### Classification

Flammable Aerosol	Category 1
Skin corrosive	Category 1B
Eye damage	Category 1
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Liquefied gas	
Corrosive to metals	
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2

### Signal Word

**Danger**

### Hazard Statements

Extremely flammable aerosol. Contains gas under pressure: May explode if heated. May be corrosive to metals. Causes severe burns and serious eye damage. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation, drowsiness or dizziness.



### **Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood. If exposed or concerned, or if you feel unwell: Get medical advice or attention. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight.

### **Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove the person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do not induce vomiting.

### **Precautionary Statements - Storage**

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

### **Precautionary Statements - Disposal**

Dispose of contents/container in accordance to local, national and regional regulations. Absorb spillage to prevent material damage. Obtain special instructions before use.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
2-Butoxyethanol	111-76-2	1 - 3
Ethyl Alcohol	64-17-5	2 - 6
Methanol	67-56-1	5 - 25
Methylene Chloride	75-09-2	40 – 70
Toluene	108-88-3	1 - 5
Ammonium Hydroxide	1336-21-6	5 - 25
Propane/n-Butane	68476-86-8	10 - 30

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## **4. FIRST-AID MEASURES**

### **First Aid Measures**

<b>Eye Contact</b>	Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention or advice.
<b>Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>Inhalation</b>	Remove to fresh air immediately and keep comfortable for breathing.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Get medical advice or attention.

**Most important symptoms and effects****Symptoms**

Acute hazards: Eyes: Severe burns. Skin: Severe burns. Inhalation: Irritation. Oral: Abdominal irritation, nausea, vomiting, diarrhea, blindness, and central nervous system impairment. Chronic hazards: Possible cancer-causing agents and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Alcohol-resistant foam.

**Unsuitable Extinguishing Media** Water spray/stream.

**Specific Hazards Arising from the Chemical**

Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Flammable.

**Hazardous Combustion Products** Phosgene, Hydrogen Chloride Gases & Nitrogen and Carbon oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full facepiece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid breathing smoke, fumes, and decomposition products. Cool fire-exposed containers with water fog to prevent bursting.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment as required.

**Methods and material for containment and cleaning up****Methods for Containment and Clean-up**

Remove any source of heat, flame or sparks. Evacuate affected area. Mop up with appropriate absorbent material. Avoid breathing fumes and ventilate the area. Dispose of residue in accordance with federal, state and local guidelines.

**Waste disposal**

Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

**RCRA Status**

Waste likely considered hazardous under RCRA; however, product should be fully characterized prior to disposal (40CFR261).

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on Safe Handling and Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Incompatible Materials**

May attack certain plastics, rubber, & coatings. Incompatible w/ strong oxidizers & caustics, chemically active metal, such as Aluminum, magnesium powder, sodium, potassium, and lithium.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Guidelines

Chemical Name	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
Ethyl Alcohol	1000 ppm	1000 ppm
Methanol	200 ppm	200 ppm
Methylene Chloride	25 ppm	50 ppm
Toluene	200 ppm	50 ppm
Ammonium Hydroxide	50 ppm	25 ppm
Propane/n-Butane	1000 ppm	1000 ppm

Appropriate engineering controls

**Engineering Controls**

Ambient ventilation is suitable, forced ventilation should not be required.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection**

Safety glasses.

**Skin and Body Protection**

Chemical-resistant gloves are recommended.

**Respiratory Protection**

Wear NIOSH/MSHA-approved respiratory protection if exposure limits are exceeded.

**General Hygiene Considerations**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical State</b>	Aerosol	<b>Odor</b>	Ammonia odor
<b>Appearance</b>	Pale Yellow Spray	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Pale Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	60 °C / 140 °F	
Flash Point	Not determined	
Evaporation Rate	>2	
Flammability (Solid, Gas)	Extremely flammable aerosol	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	>100	
Vapor Density	>2	
Specific Gravity	1.17 @ 77°F (25°C)	
Water Solubility	Not determined	
Solubility in other solvents	Yes	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	

<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Viscosity</b>	250cps
<b>VOC</b>	27.2%

**10. STABILITY AND REACTIVITY**

**Reactivity**

Chemical active metals and acids.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None known.

**Conditions to Avoid**

Excessive heat. Sources of ignition.

**Incompatible Materials**

May attack certain plastics, rubber, & coatings. Incompatible w/ strong oxidizers & caustics, chemically active metal, such as Aluminum, magnesium powder, sodium, potassium, and lithium.

**Hazardous Decomposition Products**

Phosgene, Hydrogen Chloride Gases, Nitrogen & Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Eye Contact</b>	Causes eye irritation, redness, temporary eye damage.
<b>Skin Contact</b>	Causes mild irritation, dryness, localize defatting.
<b>Inhalation</b>	May cause irritation to the respiratory tract, headaches, nausea, vomiting, lungs, and may cause fatigue. Excessive or prolonged exposure may cause dizziness and unconsciousness
<b>Ingestion</b>	Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps, dizziness.

**Component Information**

**Methylene Chloride** (75-09-2): LD50 (Oral, Rat) >2000 mg/kg. LD50 (Dermal Rat) >2000 mg/kg. LC50 (Inhalation, Rat) 52000 mg/m3. **Toluene** (108-88-3) LD50 (Oral, Rat) 5580 mg/kg; LD50 (Dermal, Rabbit) > 5000 mg/kg; LC50 (Inhalation, Rat, 4hrs) 28.1 mg/L **Ammonium Hydroxide** (1336-21-6) LD50 (Oral, Rat) 350 mg/kg **2-Butoxyethanol** (111-76-2) LD50 (Oral, Rat) 320 mg/kg; LC50 (Inhalation, Mice, 4hr) 700 ppm; LD50 (Dermal, Rabbit) 440 mg/kg **Ethyl Alcohol** (64-17-5) LC50 (Inhalation, Rat, 4hr) 133.6 mg/L; LD50 (Oral, Rat) >8311 mg/kg; LD50 (Dermal, Rabbit) 16972.5 mg/kg **Methanol** (67-56-1) Oral LD50 (Rat) 1187-2769 mg/kg; Inhalation LC50 (Rat, 4h) 128.2 mg/l.

**Medical condition aggravated**

<b>Symptoms</b>	Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Acute health hazards</b>	Eyes: Severe burns Skin: Severe burns Inhalation: Irritation Oral: Abdominal irritation, nausea, vomiting, diarrhea, blindness, and central nervous system impairment.
<b>Chronic health hazards</b>	Possible cancer-causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.
<b>Carcinogenicity</b>	<b>OSHA:</b> Yes <b>ACGIH:</b> A2 – Suspected <b>NTP:</b> 1 – Known carcinogen <b>IARC:</b> 1- Human <b>Other:</b> CA Prop. 65
<b>General information</b>	Handle in accordance with good industrial hygiene and safety practice.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Not established.

### Persistence/Degradability

Component or components of this product are not biodegradable.

### Bioaccumulation

Components in this mixture can bioaccumulate in aquatic organisms.

### Mobility

This product is mobile in soil.

### Other Adverse Effects

This material is toxic to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

<b>Disposal of Wastes</b>	Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.
<b>RCRA STATUS</b>	Waste likely considered hazardous under RCRA; however, product should be fully characterized prior to disposal (40 CFR 261).

## 14. TRANSPORT INFORMATION

### DOT

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>Hazard Class</b>	2.1 (6.1)
<b>Packing Group</b>	N/A

### IATA

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, Flammable, Containing Substances in Division 6.1 Packing Group III
<b>Hazard Class</b>	2.1 (6.1)
<b>Packing Group</b>	N/A

### IMDG

<b>UN/ID No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, Toxic
<b>Hazard Class</b>	2.1 (6.1)
<b>Packing Group</b>	N/A

**Environmental hazards water** N/A

## 15. REGULATORY INFORMATION

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
All chemicals are listed or exempt	Present	X		Present		Present	X	Present	X	X

**International Regulations:** Methylene Chloride - 75-09-2 - The components of this product are listed on the chemical inventories of the following countries: Australia - Hazchem. code 2Z, Poison Schedule S5, China, Europe (EINECS), Japan, Korea, Philippines, Canada. **WHMIS (Canada):** Class D-1B material causing immediate and serious toxic effects (toxic). Class D-2A: Material causing other toxic effects (very toxic). **DSCL (EEC): R22** - Harmful if swallowed. R38-irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer,

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

### US Federal Regulations

#### CERCLA

Chemical Name	RQ
Methanol 67-56-1	5000 lbs.
Methylene Chloride 75-09-2	1000 lbs.
Toluene 108-88-3	1000 lbs.
Ammonium Hydroxide 1336-21-6	1000 lbs.

#### SARA 302/304 Extremely Hazardous Substance and Emergency Planning & Notification

Not determined.

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### SARA 313

2-Butoxy ethanol - 111-76-2, Methyl alcohol - 67-56-1, Methylene chloride - 75-09-2, Toluene - 108-88-3, Ammonium hydroxide - 1336-21-6.

#### US State Regulations

**CA Prop 65:** This product contains chemicals known to the state of California to cause cancer: **Methylene Chloride** (75-09-2)  
**RTK:** MA, NJ, PA This product contains chemicals known to the state of California to cause reproductive and/or developmental toxicity: **Methanol** (67-56-1) and **Toluene** (108-88-3).

This product is not and cannot be distributed in commerce (as defined in TSCA section 3 (f)) or proceeded (as defined in TSCA section 3 (13)) for consumer paint or coating removal.

**16. OTHER INFORMATION**

<u><b>NFPA</b></u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	3	0	Not determined
<u><b>HMIS</b></u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	3	0	B

**Issue Date:** 21-Feb-2023  
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**Revision Note:** New Format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**