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Version 3

1. IDENTIFICATION

Product Identifier

Product Name United 61 WAX STRIPPER

Other means of identification

SDS # UNITED-61

UN/ID No UN3266

Recommended use of the chemical and restrictions on use

Recommended Use Heavy Duty Cleaner Degreaser.

Details of the supplier of the safety data sheet

Supplier Address

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

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 Yellow liquid

Physical State Liquid

Odor Strong amine odor

Classification

| | |
|-----------------------------------|------------|
| Skin corrosion/irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |
| Carcinogenicity | Category 2 |

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage.
Suspected of causing cancer.



Precautionary Statements - Prevention

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Use personal protective equipment as required.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements - Response

Immediately call a poison center or doctor/physician.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a poison center or doctor/physician.
 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 victim to fresh air and keep at rest in a position comfortable for breathing.
 Immediately call a poison center or doctor/physician.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---|------------|-------------|
| Monoethanolamine | 141-43-5 | Proprietary |
| Dipropylene Glycol Monomethyl Ether (DPM) | 34590-94-8 | Proprietary |
| Potassium hydroxide | 1310-58-3 | Proprietary |
| Sodium metasilicate | 6834-92-0 | Proprietary |
| Diethanolamine | 111-42-2 | Proprietary |

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

| | |
|-----------------------|---|
| General Advice | Immediately call a poison center or doctor/physician. |
| Eye Contact | Immediately flush with plenty of water for up to 15 minutes. Hold eyelids open during flushing. Immediately call a poison center or doctor/physician. |
| Skin Contact | Flush area with water while removing contaminated clothing. Follow by washing with soap and water. If irritation persists, call a physician or poison control center. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if needed. Immediately call a poison center or doctor/physician. |
| Ingestion | Rinse mouth. Do not induce vomiting. Contains potassium hydroxide, glycol ethers and strong alkalis. Give plenty of water. Never give anything by mouth to a person who is unconscious or convulsing. Consult a physician or poison control center immediately. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | Causes severe skin burns and eye damage. Blindness may occur. Vapors or mists may cause damage to the upper respiratory tract and to the lung tissue. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Carbon dioxide (CO₂). Dry chemical. Water spray (fog). Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

In the presence of extreme heat, as in a fire, this product may react with active metals (e.g. aluminum, zinc, etc.) to release flammable hydrogen gas.

Hazardous Combustion Products When heated strongly, as in a fire, this product may produce carbon dioxide, carbon monoxide, and oxides of phosphorus.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. All containers should be cooled with water to prevent vapor pressure build up.

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 Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Small spills: Spills up to one gallon may be diluted with plenty of water and flushed to sewage drain. Rinse area thoroughly. Large spills: Dike spill and collect on suitable absorbent. Place in corrosion resistant containers for disposal. Rinse area thoroughly.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Do not let the drums freeze as they may split or rupture.

Incompatible Materials Do not mix this product with other cleaning chemicals, especially strong acids and oxidizing agents such as bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|--|---|
| Monoethanolamine 141-43-5 | STEL: 6 ppm TWA: 3 ppm | TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³ | IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³ |
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | STEL: 150 ppm TWA: 100 ppm S* | TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S* | IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³ |
| Potassium hydroxide 1310-58-3 | Ceiling: 2 mg/m ³ | (vacated) Ceiling: 2 mg/m ³ | Ceiling: 2 mg/m ³ |
| Sodium metasilicate 6834-92-0 | 2 mg/m ³ | 2 mg/m ³ | - |
| Sodium Tripolyphosphate 7758-29-4 | 15 mg/m ³ | 15 mg/m ³ | - |
| Diethanolamine 111-42-2 | TWA: 1 mg/m ³ inhalable fraction and vapor S* | (vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m ³ | TWA: 3 ppm TWA: 15 mg/m ³ |
| Sodium pyrophosphate 7722-88-5 | - | (vacated) TWA: 5 mg/m ³ | TWA: 5 mg/m ³ |

Appropriate engineering controls

Engineering Controls Mechanical ventilation recommended when handling in enclosed, tight spaces.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety goggles are recommended.

Skin and Body Protection Chemical resistant gloves are recommended.

Respiratory Protection Normally not required. Wear NIOSH approved respirator to avoid breathing mists.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|----------------|-----------------------|-------------------|
| Physical State | Liquid | Odor | Strong amine odor |
| Appearance | Yellow liquid | Odor Threshold | Not determined |
| Color | Not determined | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|------------------------|-------------------------|
| pH | 13-14 | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | |
| Flash Point | None | |
| Evaporation Rate | 1 | (Water = 1) |
| Flammability (Solid, Gas) | Liquid- Not applicable | |
| Upper Flammability Limits | Not available | |
| Lower Flammability Limit | Not available | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|--------------------|-------------------------|
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 1.08 | (Water = 1) |
| Water Solubility | Completely soluble | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |
| VOC Content | <19% | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Do not mix this product with other cleaning chemicals, especially strong acids and oxidizing agents such as bleach.

Hazardous Decomposition Products

When strongly heated, as in a fire, this product may produce oxides of carbon and phosphorus.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

| <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Inhalation LC50</u> |
|---|----------------------|--|------------------------|
| Monoethanolamine 141-43-5 | = 1720 mg/kg (Rat) | = 1 mL/kg (Rabbit) = 1025 mg/kg (Rabbit) | - |
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | = 5230 mg/kg (Rat) | = 9500 mg/kg (Rabbit) | - |
| Potassium hydroxide 1310-58-3 | = 214 mg/kg (Rat) | - | - |
| Sodium metasilicate 6834-92-0 | = 600 mg/kg (Rat) | - | - |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|-----------------------|-------------------------|-----------------|
| Sodium Tripolyphosphate 7758-29-4 | = 3100 mg/kg (Rat) | > 7940 mg/kg (Rabbit) | - |
| Sodium xylenesulfonate 1300-72-7 | = 7200 mg/kg (Rat) | - | - |
| Tetrasodium EDTA 64-02-8 | = 10 g/kg (Rat) | - | - |
| Diethanolamine 111-42-2 | = 620 µL/kg (Rat) | = 7640 µL/kg (Rabbit) | - |
| Sodium pyrophosphate 7722-88-5 | > 2000 mg/kg (Rat) | - | - |
| Sodium Sulfate 7757-82-6 | > 10000 mg/kg (Rat) | - | - |
| Sodium Trimetaphosphate 7785-84-4 | - | > 4640 mg/kg (Rabbit) | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes severe skin burns.

Serious eye damage/eye irritation Causes severe eye damage.

Carcinogenicity Suspected of causing cancer.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|----------------------------|-------|----------|-----|------|
| Diethanolamine 111-42-2 | A3 | Group 2B | | X |

Legend

- ACGIH (American Conference of Governmental Industrial Hygienists)**
- A3 - Animal Carcinogen
- IARC (International Agency for Research on Cancer)**
- Group 2B - Possibly Carcinogenic to Humans
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)**
- X - Present

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|----------------------------------|-----------------------------------|
| Potassium hydroxide 1310-58-3 | Toxic Corrosive |

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

- UN/ID No** UN3266
- Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (potassium hydroxide, ethanolamine)
- Hazard Class** 8
- Packing Group** III

IATA

- UN/ID No** UN3266
- Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (potassium hydroxide, ethanolamine)
- Hazard Class** 8
- Packing Group** III

IMDG

- UN/ID No** UN3266
- Proper Shipping Name** Corrosive liquid, basic, inorganic, n.o.s. (potassium hydroxide, ethanolamine)
- Hazard Class** 8
- Packing Group** III

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Monoethanolamine | Present | X | | Present | | Present | X | Present | X | X |
| Dipropylene Glycol Monomethyl Ether (DPM) | Present | X | | Present | | Present | X | Present | X | X |
| Potassium hydroxide | Present | X | | Present | | Present | X | Present | X | X |
| Sodium metasilicate | Present | X | | Present | | Present | X | Present | X | X |
| Diethanolamine | Present | X | | Present | | Present | X | Present | X | X |

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 | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|----------------------------|--------------------------|----------------|---|
| Diethanolamine 111-42-2 | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |

SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|--|------------|----------|-------------------------------|
| Dipropylene Glycol Monomethyl Ether (DPM) - 34590-94-8 | 34590-94-8 | 7.76 | 1.0 |

CWA (Clean Water Act)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Potassium hydroxide | 1000 lb | | | X |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

| Chemical Name | California Proposition 65 |
|---------------------------|---------------------------|
| Diethanolamine - 111-42-2 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Monoethanolamine 141-43-5 | X | X | X |
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | X | X | X |
| Potassium hydroxide 1310-58-3 | X | X | X |
| Diethanolamine 111-42-2 | X | X | X |
| Sodium pyrophosphate 7722-88-5 | X | X | X |
| Sodium Sulfate 7757-82-6 | | X | X |
| Sodium Trimetaphosphate 7785-84-4 | | X | X |

16. OTHER INFORMATION

| | | | | |
|--------------------|---|---------------------------------------|--------------------------------------|--|
| <u>NFPA</u> | Health Hazards Not determined | Flammability Not determined | Instability Not determined | Special Hazards Not determined |
| <u>HMIS</u> | Health Hazards 3 | Flammability 0 | Physical Hazards 0 | Personal Protection N+P |

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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 a 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