

Issue Date: 04-May-2015

Revision Date: 07-Oct-2015

Version 1

## 1. IDENTIFICATION

**Product Identifier****Product Name** MIKE-O-BLUE**Other means of identification****SDS #**

ITEM# G-5006-14

**UN/ID No**

UN1263

**Recommended use of the chemical and restrictions on use****Recommended Use** Protecting and/or decorating finish coat.**Details of the supplier of the safety data sheet****Supplier Address**Ashburn Chemical Technologies  
7403 Wright Rd  
Houston, TX 77041**Emergency Telephone Number****Company Phone Number**

832-399-1000

**Emergency Telephone (24 hr)**

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Blue liquid**Physical State** Liquid**Odor** Solvent like**Classification**

The classification and labeling information in this Safety Data Sheet should be viewed as provisional, as the product's ingredients and percentages are kept as a trade secret / proprietary.

|  |             |
|--|-------------|
| Acute toxicity - Oral                            | Category 4  |
| Acute toxicity - Inhalation (Dusts/Mists)        | Category 4  |
| Serious eye damage/eye irritation                | Category 2  |
| Germ cell mutagenicity                           | Category 1B |
| Reproductive toxicity                            | Category 1A |
| Specific target organ toxicity (single exposure) | Category 3  |
| Flammable Liquids                                | Category 1  |

**Hazards Not Otherwise Classified (HNOC)**

Causes mild skin irritation

May be harmful in contact with skin

**Signal Word****Danger**

**Hazard Statements**

Harmful if swallowed

Harmful if inhaled

Causes serious eye irritation

May cause genetic defects

May damage fertility or the unborn child

May cause drowsiness or dizziness

EXTREMELY FLAMMABLE LIQUID AND VAPOR

**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

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wear eye/face protection

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention

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

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

| Chemical Name   | CAS No   | Weight-% |
|-----------------|----------|----------|
| t-Butyl Acetate | 540-88-5 | 60-70    |
| n-Butyl acetate | 123-86-4 | 10-20    |
| Ethylacetate    | 141-78-6 | 5-10     |
| Acetone         | 67-64-1  | 5-10     |

\*\*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>General Advice</b> | Provide this SDS to medical personnel for treatment.   |
| <b>Eye Contact</b>    | Flush immediately with copious amounts of water for 15 minutes. If irritation persists, see physician.   |
| <b>Skin Contact</b>   | Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.   |
| <b>Inhalation</b>     | Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. |
| <b>Ingestion</b>      | Rinse mouth. Do not induce vomiting without medical advice. Seek immediate medical attention/advice.   |

**Most important symptoms and effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | May cause eye, skin and respiratory tract irritation. May include redness, drying and cracking of skin. May cause drowsiness or dizziness. Nausea and vomiting with gastrointestinal disorder. |
|-----------------|--|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

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

Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames

**Unsuitable Extinguishing Media** Do not use straight streams.

**Specific Hazards Arising from the Chemical**

Extremely flammable liquid and vapor. Vapors may travel to source of ignition and flash back.

**Hazardous Combustion Products** Smoke, Fume, Incomplete combustion products, Oxides of carbon.

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

**Protective equipment and precautions for firefighters**

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus(SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

- Personal Precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear protective clothing as described in Section 8 of this safety data sheet.
- Environmental Precautions** Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

- Methods for Containment** Prevent further leakage or spillage if safe to do so. Absorb or cover with dry earth, sand or other non-combustible material.
- Methods for Clean-Up** Use clean non-sparking tools to collect absorbed material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. Contain large spills and pump into a suitable tank for disposal. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. For waste disposal, see section 13 of the SDS.

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

- Advice on Safe Handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Use only with adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not breathe vapors or spray mist. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use spark-proof tools and explosion-proof equipment. Avoid breathing vapors or mists.

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

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store at temperatures above 120°F. Store locked up.
- Incompatible Materials** Strong oxidizing agents. Strong alkalis.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

| Chemical Name               | ACGIH TLV    | OSHA PEL   | NIOSH IDLH   |
|-----------------------------|--------------|--|--|
| t-Butyl Acetate<br>540-88-5 | TWA: 200 ppm | TWA: 200 ppm<br>TWA: 950 mg/m <sup>3</sup><br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 950 mg/m <sup>3</sup> | IDLH: 1500 ppm<br>TWA: 200 ppm<br>TWA: 950 mg/m <sup>3</sup> |

|                             |                               |   |  |
|-----------------------------|-------------------------------|---|--|
| n-Butyl acetate<br>123-86-4 | STEL: 200 ppm<br>TWA: 150 ppm | TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>(vacated) TWA: 150 ppm<br>(vacated) TWA: 710 mg/m <sup>3</sup><br>(vacated) STEL: 200 ppm<br>(vacated) STEL: 950 mg/m <sup>3</sup>  | IDLH: 1700 ppm<br>TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 950 mg/m <sup>3</sup> |
| Ethylacetate<br>141-78-6    | TWA: 400 ppm                  | TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 1400 mg/m <sup>3</sup>  | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup>  |
| Acetone<br>67-64-1          | STEL: 750 ppm<br>TWA: 500 ppm | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup><br>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors<br>(vacated) STEL: 1000 ppm | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup>   |

**Appropriate engineering controls****Engineering Controls**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Maintain eye wash fountain and quick-drench facilities in work area.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

If contact is likely, safety glasses with side shields are recommended.

**Skin and Body Protection**

Wear impervious clothing. Wear impervious gloves as required to prevent skin contact.

**Respiratory Protection**

Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations**

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties****Physical State**

Liquid

**Appearance**

Blue liquid

**Color**

Blue

**Odor**

Solvent like

**Odor Threshold**

Not determined

**Property****Values****Remarks • Method**

pH

Not determined

Melting Point/Freezing Point

Not determined

Boiling Point/Boiling Range

34 °C / 93.2 °F

Flash Point

-4 °C / -20 °F

Evaporation Rate

Faster than Butyl Acetate

Flammability (Solid, Gas)

Not determined

Upper Flammability Limits

Not determined

Lower Flammability Limit

Not determined

Vapor Pressure

Not determined

Vapor Density

Heavier than air

(Air=1)

Specific Gravity

0.9424

Water Solubility

Not determined

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 |
| Density                   | 7.847 lbs/gal  |

## 10. STABILITY AND REACTIVITY

|                                    |   |
|------------------------------------|---|
| Reactivity                         | Not reactive under normal conditions.   |
| Chemical Stability                 | Stable under recommended storage conditions.  |
| Possibility of Hazardous Reactions | None under normal processing.   |
| Conditions to Avoid                | Incompatible Materials.   |
| Incompatible Materials             | Strong oxidizing agents. Strong alkalis.  |
| Hazardous Decomposition Products   | Thermal decomposition and combustion are not expected to occur except under extreme conditions. |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|              |   |
|--------------|---|
| Eye Contact  | Causes serious eye irritation.  |
| Skin Contact | Causes mild skin irritation. May be harmful in contact with skin.                             |
| Inhalation   | Harmful if inhaled. May cause irritation to the mucous membranes and upper respiratory tract. |
| Ingestion    | Harmful if swallowed.   |

### Component Information

| Chemical Name               | Oral LD50                                   | Dermal LD50                                    | Inhalation LC50                       |
|-----------------------------|---|--|---------------------------------------|
| t-Butyl Acetate<br>540-88-5 | = 4100 mg/kg ( Rat )                        | > 2 g/kg ( Rabbit )                            | > 2230 mg/m <sup>3</sup> ( Rat ) 4 h  |
| n-Butyl acetate<br>123-86-4 | = 10768 mg/kg ( Rat ) = 14.13 mg/kg ( Rat ) | > 17600 mg/kg ( Rabbit )                       | = 390 ppm ( Rat ) 4 h                 |
| Ethylacetate<br>141-78-6    | = 5620 mg/kg ( Rat )                        | > 18000 mg/kg ( Rabbit ) > 20 mL/kg ( Rabbit ) | -                                     |
| Acetone<br>67-64-1          | = 5800 mg/kg ( Rat )                        | -  | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| DOA plasticizer             | = 5600 mg/kg ( Rat )                        | = 8410 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

|                        |                            |
|------------------------|----------------------------|
| Germ cell mutagenicity | May cause genetic defects. |
|------------------------|----------------------------|

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical Name   | ACGIH | IARC    | NTP | OSHA |
|-----------------|-------|---------|-----|------|
| DOA plasticizer |       | Group 3 |     |      |

**Legend**

**IARC** (*International Agency for Research on Cancer*)

Group 3 IARC components are "not classifiable as human carcinogens"

**Reproductive toxicity**

May damage fertility or the unborn child.

**STOT - single exposure**

May cause drowsiness or dizziness.

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

| Chemical Name               | Algae/aquatic plants                          | Fish   | Toxicity to microorganisms   | Crustacea   |
|-----------------------------|---|--|--|---|
| t-Butyl Acetate<br>540-88-5 |   | 296 - 362: 96 h Pimephales promelas mg/L LC50 flow-through   |  |   |
| n-Butyl acetate<br>123-86-4 | 674.7: 72 h Desmodesmus subspicatus mg/L EC50 | 100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 62: 96 h Leuciscus idus mg/L LC50 static   | EC50 = 70.0 mg/L 5 min<br>EC50 = 82.2 mg/L 15 min<br>EC50 = 959 mg/L 18 h<br>EC50 = 98.9 mg/L 30 min | 72.8: 24 h Daphnia magna mg/L EC50  |
| Ethylacetate<br>141-78-6    | 3300: 48 h Desmodesmus subspicatus mg/L EC50  | 220 - 250: 96 h Pimephales promelas mg/L LC50 flow-through 484: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 352 - 500: 96 h Oncorhynchus mykiss mg/L LC50 semi-static  | EC50 = 1180 mg/L 5 min<br>EC50 = 1500 mg/L 15 min<br>EC50 = 5870 mg/L 15 min<br>EC50 = 7400 mg/L 2 h | 560: 48 h Daphnia magna mg/L EC50 Static  |
| Acetone<br>67-64-1          |   | 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 8300: 96 h Lepomis macrochirus mg/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static  | EC50 = 14500 mg/L 15 min   | 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static<br>12600 - 12700: 48 h Daphnia magna mg/L EC50 |
| DOA plasticizer             | 500: 72 h Desmodesmus subspicatus mg/L EC50   | 0.48 - 0.85: 96 h Lepomis macrochirus mg/L LC50 static 0.48 - 0.85: 96 h Oncorhynchus mykiss mg/L LC50 static 0.48 - 0.85: 96 h Pimephales promelas mg/L LC50 static 54 - 150: 96 h Salmo gairdneri mg/L LC50 static |  | 1.6: 48 h Daphnia magna mg/L EC50   |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name | Partition Coefficient |
|---------------|-----------------------|
|---------------|-----------------------|

|                             |       |
|-----------------------------|-------|
| t-Butyl Acetate<br>540-88-5 | 1.38  |
| n-Butyl acetate<br>123-86-4 | 1.81  |
| Ethylacetate<br>141-78-6    | 0.6   |
| Acetone<br>67-64-1          | -0.24 |
| DOA plasticizer             | 8.114 |

**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.

#### US EPA Waste Number

| Chemical Name            | RCRA | RCRA - Basis for Listing          | RCRA - D Series Wastes | RCRA - U Series Wastes |
|--------------------------|------|-----------------------------------|------------------------|------------------------|
| Ethylacetate<br>141-78-6 |      | Included in waste stream:<br>F039 |                        | U112                   |
| Acetone<br>67-64-1       |      | Included in waste stream:<br>F039 |                        | U002                   |

#### California Hazardous Waste Status

| Chemical Name               | California Hazardous Waste Status |
|-----------------------------|-----------------------------------|
| n-Butyl acetate<br>123-86-4 | Toxic                             |
| Ethylacetate<br>141-78-6    | Toxic<br>Ignitable                |
| Acetone<br>67-64-1          | Ignitable                         |

### 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 UN1263  
 Proper Shipping Name Paint  
 Hazard Class 3  
 Packing Group I

#### IATA

UN/ID No UN1263  
 Proper Shipping Name Paint  
 Hazard Class 3  
 Packing Group I

#### IMDG

UN/ID No UN1263  
 Proper Shipping Name Paint



Hazard Class 3  
Packing Group I

## 15. REGULATORY INFORMATION

### International Inventories

| Chemical Name   | TSCA    | DSL | NDSL | EINECS  | ELINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|-----------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| t-Butyl Acetate | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| n-Butyl acetate | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Ethylacetate    | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Acetone         | 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

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name               | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|-----------------------------|--------------------------|----------------|--|
| t-Butyl Acetate<br>540-88-5 | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| n-Butyl acetate<br>123-86-4 | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Ethylacetate<br>141-78-6    | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Acetone<br>67-64-1          | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | Yes |
| Sudden Release of Pressure Hazard | Yes |

#### SARA 313

Not determined

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------|-----------------------------|------------------------|---------------------------|----------------------------|
| t-Butyl Acetate |                             |                        |                           | X                          |
| n-Butyl acetate | 5000 lb                     |                        |                           | X                          |

**US State Regulations**

**California Proposition 65:** This product does not contain any components that are regulated under California Prop 65

**U.S. State Right-to-Know Regulations**

| Chemical Name               | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| t-Butyl Acetate<br>540-88-5 | X          | X             | X            |
| n-Butyl acetate<br>123-86-4 | X          | X             | X            |
| Ethylacetate<br>141-78-6    | X          | X             | X            |
| Acetone<br>67-64-1          | X          | X             | X            |
| DOA plasticizer             | X          | X             | X            |

**16. OTHER INFORMATION****NFPA****Health Hazards**

2

**Flammability**

3

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health Hazards**

2

**Flammability**

3

**Physical Hazards**

0

**Personal Protection**

Not determined

**Issue Date:**

04-May-2015

**Revision Date:**

07-Oct-2015

**Revision Note:**

Updated SECTION 2

**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**