

## SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Shield-Brite® AP-40  
**Product Code:** 10006  
**Product Use:** Shellac-based Apple Coating for Domestic Markets  
**Product Restrictions:** For Agriculture Use Only  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer:** Pace International, LLC  
**Address:** 5661 Branch Road, Wapato, WA 98951  
**Phone Number:** 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)  
**Medical Emergency Phone Number:** 888-271-4649 (PROPHARMA/PROSAR)  
**Transportation Emergency Phone Number:** 800-424-9300 (CHEMTREC)  
**Supplier:** See above

### 2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (2012 OSHA Hazard Communication Standard)  
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification:**

Physical Hazards: Flammable liquid, Category 3

Health Hazards:

Serious eye damage / eye irritation, Category 2

Environmental Hazards: Not classified

**Hazard Symbols:**



**Signal Word:**

WARNING

**Hazard Statements:**

H226 Flammable liquid and vapor.

H319 Causes serious eye irritation.

**Precautionary Statements:**

**Prevention Statements:**

P210 Keep away from heat / hot surfaces / sparks / open flames / and other ignition sources. No smoking

P233 Keep container tightly closed.

P240 Ground/Bond container and receiving equipment

P241 Use explosion-proof electrical / ventilating / lighting / and process equipment.

P242 Use non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash hands thoroughly after handling.

P280 Wear protective clothing, chemical resistant gloves, and safety glasses.

**Response Statements:**

P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370/378 In case of fire: Use dry chemical, CO<sub>2</sub> to extinguish.

P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337/313 If eye irritation persists: Get medical advice/attention.

**Storage Statements:**

Store locked up. Keep away from heat / hot surfaces / sparks / open flames / and other ignition sources. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in cool, dry, well-ventilated area. Store indoors at temperatures above 40°F. Keep container tightly closed and upright to prevent leakage and contamination. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

**Disposal Statements:**

P501 Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

None known.

None.

**Hazard(s) not otherwise classified (HNOC):**

**Other Hazards:**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Chemical name | CAS #    | %        |
|---------------|----------|----------|
| Isopropanol   | 67-63-0  | 10 – 30* |
| Morpholine    | 110-91-8 | 1 – 5*   |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition** \* US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### 4. FIRST AID MEASURES

|                                                                                    |                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice:</b>                                                             | Have the product container, label or Safety Data Sheet with you when calling a poison control center, physician, or going for treatment. You may also contact PROPHARMA (PROSAR) 1-888-271-4649 for emergency medical treatment information.    |
| <b>Skin contact:</b>                                                               | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash before reuse. Rinse skin with water/shower.                                                                                                                          |
| <b>Eye contact:</b>                                                                | IF IN EYES: Hold eye open and rinse cautiously with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes if easy to do, then continue rinsing eye. If eye irritation persists: Get medical advice/attention. |
| <b>Inhalation:</b>                                                                 | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.                                                                                                                                                    |
| <b>Ingestion:</b>                                                                  | Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.                     |
| <b>Inhalation:</b>                                                                 | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.                                                                                                                                                    |
| <b>Most important Symptoms / effects, acute and delayed</b>                        | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.                                                                                                                                           |
| <b>Indication of any immediate medical attention and special treatment needed:</b> | Provide general supportive measures and treat symptomatically. Symptoms may be delayed.                                                                                                                                                         |

### 5. FIRE FIGHTING MEASURES

|                                                                       |                                                                                                                                                                                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media:</b>                                  | Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.                                                                                                            |
| <b>Unsuitable Extinguishing Media:</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                             |
| <b>Special Hazards Arising from the Chemical:</b>                     | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. |
| <b>Special protective equipment and precautions for firefighters:</b> | Firefighters must wear full protective clothing including self-contained breathing apparatus.                                                                                      |
| <b>Firefighting equipment/instructions:</b>                           | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.                                                               |
| <b>Specific methods:</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                         |
| <b>Hazardous combustion products:</b>                                 | Flammable liquid and vapor.<br>May include and are not limited to: Oxides of carbon and oxides of nitrogen.                                                                        |

### 6. ACCIDENTAL RELEASE MEASURES

|                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions, Protective Equipment and Emergency procedures:</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist, vapors or sprays. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, (see section 8 of the SDS). |
| <b>Methods and Materials for Containment and Clean-Up:</b>                  | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.                                                                                                                                                                                                                                                           |

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite,

sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### Environmental Precautions:

Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

## 7. HANDLING & STORAGE

### Precautions for Safe Handling:

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not eat, drink or smoke when using this product. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharge. All equipment used when handling the product must be grounded. Use explosion-proof electrical / ventilating / lighting / and process equipment. Avoid contact with skin, eyes, or clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Use good industrial hygiene practices in handling this material.

### Conditions for Safe Storage, including any

Store locked up. Keep away from heat / hot surfaces / sparks / open flames / and other ignition sources. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in cool, dry, well-ventilated area. Store indoors at temperatures above 40°F. Keep container tightly closed and upright to prevent leakage and contamination. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

### Incompatibilities:

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                 | Type | Value                |
|----------------------------|------|----------------------|
| Isopropanol (CAS# 67-63-0) | PEL  | 980 mg/m3<br>400 ppm |
| Morpholine (CAS# 110-91-8) | PEL  | 70 mg/m3<br>20 ppm   |

#### US. ACGIH Threshold Limit Values

| Components                 | Type | Value   |
|----------------------------|------|---------|
| Isopropanol (CAS# 67-63-0) | STEL | 400 ppm |
|                            | TWA  | 200 ppm |
| Morpholine (CAS# 110-91-8) | TWA  | 20 ppm  |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                 | Type | Value                 |
|----------------------------|------|-----------------------|
| Isopropanol (CAS# 67-63-0) | STEL | 1225 mg/m3<br>500 ppm |
|                            | TWA  | 980 mg/m3<br>400 ppm  |
| Morpholine (CAS# 110-91-8) | STEL | 105 mg/m3<br>30 ppm   |
|                            | TWA  | 70 mg/m3<br>20 ppm    |

### Biological Limit Values:

| Components                 | Value   | Determinant | Specimen | Sampling Time |
|----------------------------|---------|-------------|----------|---------------|
| Isopropanol (CAS# 67-63-0) | 40 mg/L | Acetone     | Urine    | *             |

+/- For sampling details, please see the source document.

### Exposure Guidelines:

#### US. ACGIH Threshold Limit Values: Skin designation

Morpholine (CAS# 110-91-8) Danger of cutaneous absorption.

#### US. NIOSH: Pocket Guide to Chemical Hazards : Skin designation

Morpholine (CAS# 110-91-8) Can be absorbed through the skin.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Morpholine (CAS# 110-91-8) Can be absorbed through the skin.

### Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure

limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

|                                        |                                                                                                                                                                                                                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection:</b>            | Wear safety glasses with side shields (or goggles). Eye wash station and washing facilities should be available.                                                                                                                                                                          |
| <b>Skin protection</b>                 |                                                                                                                                                                                                                                                                                           |
| <b>Hand protection:</b>                | Wear nitrile, neoprene, vinyl (PVC), or rubber gloves.                                                                                                                                                                                                                                    |
| <b>Other:</b>                          | Wear protective clothing (long sleeved shirt, pants, and shoes).                                                                                                                                                                                                                          |
| <b>Respiratory protection:</b>         | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) Not applicable. |
| <b>Thermal hazards:</b>                | Not applicable.                                                                                                                                                                                                                                                                           |
| <b>General hygiene considerations:</b> | Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.                                                                                                                                |

## 9. PHYSICAL & CHEMICAL PROPERTIES

|                                                 |                                             |                                                     |                   |
|-------------------------------------------------|---------------------------------------------|-----------------------------------------------------|-------------------|
| <b>Physical state:</b>                          | Liquid                                      | <b>Upper/Lower flammability or exposure limits:</b> | Not available     |
| <b>Appearance / Color:</b>                      | Amber                                       | <b>Vapor pressure:</b>                              | Not available     |
| <b>Odor:</b>                                    | Slightly alcoholic                          | <b>Vapor density: (air =1)</b>                      | Not available     |
| <b>Odor threshold:</b>                          | Not available                               | <b>Specific Gravity: (H<sub>2</sub>O = 1)</b>       | 1.01              |
| <b>pH:</b>                                      | 7.7                                         | <b>Solubility:</b>                                  | Miscible in water |
| <b>Melting/Freezing point:</b>                  | Not available                               | <b>Partition coefficient (n-octanol-water):</b>     | Not available     |
| <b>Initial boiling point and boiling range:</b> | 195.8°F (91°C)                              | <b>Auto-ignition temperature:</b>                   | Not available     |
| <b>Flash point:</b>                             | 90.0°F (32.2°C)<br>Closed cup (small scale) | <b>Decomposition temperature:</b>                   | Not available     |
| <b>Evaporation rate:</b>                        | Not available                               | <b>Viscosity:</b>                                   | Not available     |
| <b>Flammability (solid, gas):</b>               | Not applicable                              | <b>Explosive Properties:</b>                        | Not explosive     |
|                                                 |                                             | <b>Oxidizing Properties:</b>                        | Not oxidizing     |

## 10. STABILITY & REACTIVITY

|                                            |                                                                                                                                                                        |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity hazards:</b>                 | This product may react with strong oxidizing agents.                                                                                                                   |
| <b>Possibility of Hazardous Reactions:</b> | Hazardous polymerization does not occur.                                                                                                                               |
| <b>Chemical stability:</b>                 | Material is stable under normal conditions.                                                                                                                            |
| <b>Conditions to avoid:</b>                | Keep away from heat / hot surfaces / sparks / open flames / and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. |
| <b>Incompatible materials:</b>             | Acids. Strong oxidizing agents. Chlorine. Isocyanates.                                                                                                                 |
| <b>Hazardous decomposition products:</b>   | May include and are not limited to: Oxides of carbon y oxides of nitrogen.                                                                                             |

## 11. TOXICOLOGICAL INFORMATION

|                                                                              |                                                                                                       |              |  |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------|--|
| Routes of exposure                                                           | Eye, Skin contact, Inhalation, Ingestion.                                                             |              |  |
| Information on likely routes of exposure                                     |                                                                                                       |              |  |
| Ingestion                                                                    | May cause stomach distress, nausea or vomiting.                                                       |              |  |
| Inhalation                                                                   | Prolonged inhalation may be harmful.                                                                  |              |  |
| Skin contact                                                                 | No adverse effects due to skin contact are expected.                                                  |              |  |
| Eye contact                                                                  | Causes serious eye irritation.                                                                        |              |  |
| Symptoms related to the physical, chemical and toxicological characteristics | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |              |  |
| Information on toxicological effects                                         |                                                                                                       |              |  |
| Acute toxicity                                                               |                                                                                                       |              |  |
| Components                                                                   | Species                                                                                               | Test Results |  |
| Isopropanol (CAS# 67-63-0)                                                   |                                                                                                       |              |  |
| Acute                                                                        |                                                                                                       |              |  |
| Dermal                                                                       |                                                                                                       |              |  |

|                                                                           |                                                                                                                 |                                                    |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| LD50                                                                      | Rabbit                                                                                                          | 13900 mg/kg, ECHA                                  |
| <i>Inhalation</i>                                                         |                                                                                                                 |                                                    |
| LC50                                                                      | Rat                                                                                                             | 25000 mg/m3, 6 hours, ECHA<br>16970 mg/l/4h, HMIRA |
| <i>Oral</i>                                                               |                                                                                                                 |                                                    |
| LD50                                                                      | Rat                                                                                                             | 5840 mg/kg, ECHA                                   |
| Morpholine (CAS# 110-91-8)                                                |                                                                                                                 |                                                    |
| <b>Acute</b>                                                              |                                                                                                                 |                                                    |
| <i>Dermal</i>                                                             |                                                                                                                 |                                                    |
| LD50                                                                      | Rabbit                                                                                                          | 500 mg/kg, 24 Hours, ECHA                          |
| <i>Inhalation</i>                                                         |                                                                                                                 |                                                    |
| LC50                                                                      | Rat                                                                                                             | 8 mg/L, ECHA                                       |
| <i>Oral</i>                                                               |                                                                                                                 |                                                    |
| LD50                                                                      | Rat                                                                                                             | 1900 mg/kg, ECHA                                   |
| <b>Skin corrosion/irritation:</b>                                         | Prolonged skin contact may cause temporary irritation.                                                          |                                                    |
| <b>Exposure minutes</b>                                                   | Not available                                                                                                   |                                                    |
| <b>Erythema value</b>                                                     | Not available                                                                                                   |                                                    |
| <b>Oedema value</b>                                                       | Not available                                                                                                   |                                                    |
| <b>Serious eye damage/eye irritation:</b>                                 | Causes serious eye irritation.                                                                                  |                                                    |
| <b>Corneal opacity value</b>                                              | Not available                                                                                                   |                                                    |
| <b>Iris lesion value</b>                                                  | Not available                                                                                                   |                                                    |
| <b>Conjunctival reddening value</b>                                       | Not available                                                                                                   |                                                    |
| <b>Conjunctival oedema value</b>                                          | Not available                                                                                                   |                                                    |
| <b>Recover days</b>                                                       | Not available                                                                                                   |                                                    |
| <b>Respiratory sensitization:</b>                                         | Not a respiratory sensitizer.                                                                                   |                                                    |
| <b>Skin sensitization:</b>                                                | May cause skin contact sensitization.                                                                           |                                                    |
| <b>Germ cell mutagenicity:</b>                                            | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic |                                                    |
| <b>Carcinogenicity:</b>                                                   | See below                                                                                                       |                                                    |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>             |                                                                                                                 |                                                    |
| Morpholine (CAS# 110-91-8)                                                | Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.                                      |                                                    |
| <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b> |                                                                                                                 |                                                    |
|                                                                           | Not listed.                                                                                                     |                                                    |
| <b>Reproductive toxicity:</b>                                             | This product is not expected to cause reproductive or developmental effects.                                    |                                                    |
| <b>Teratogenicity:</b>                                                    | Non-hazardous by WHMIS/OSHA criteria.                                                                           |                                                    |
| <b>Specific target organ toxicity - single exposure:</b>                  | Not classified.                                                                                                 |                                                    |
| <b>Specific target organ toxicity - repeated exposure:</b>                | Not classified.                                                                                                 |                                                    |
| <b>Aspiration hazard:</b>                                                 | Material does not present an aspiration hazard.                                                                 |                                                    |
| <b>Chronic effects:</b>                                                   | Prolonged inhalation may be harmful.                                                                            |                                                    |

## 12. ECOLOGICAL INFORMATION

|                                    |                                                                                                                                                                                         |                      |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Ecotoxicity</b>                 | See below                                                                                                                                                                               |                      |
| <b>Ecotoxicological data</b>       | <b>Species</b>                                                                                                                                                                          | <b>Test Results</b>  |
| <b>Components</b>                  |                                                                                                                                                                                         |                      |
| Isopropanol (CAS# 67-63-0)         |                                                                                                                                                                                         |                      |
| Algae IC50                         | Algae                                                                                                                                                                                   | 1000 mg/L, 72 Hours  |
| Crustacea EC50                     | Daphnia                                                                                                                                                                                 | 13299 mg/L, 48 hours |
| <b>Aquatic</b>                     |                                                                                                                                                                                         |                      |
| Fish LC50                          | Bluegill (Lepomis macrochirus)                                                                                                                                                          | >1400 mg/L, 96 hours |
| Morpholine (CAS# 110-91-8)         |                                                                                                                                                                                         |                      |
| <b>Aquatic</b>                     |                                                                                                                                                                                         |                      |
| Fish LC50                          | Zebra danio (Danio rerio)                                                                                                                                                               | >1 mg/L, 96 hours    |
| <b>Persistence/ degradability:</b> | No data is available on the degradability of this product.                                                                                                                              |                      |
| <b>Bioaccumulative potential:</b>  | Not available                                                                                                                                                                           |                      |
| <b>Mobility in soil:</b>           | Not data available                                                                                                                                                                      |                      |
| <b>Mobility in general:</b>        | Not available.                                                                                                                                                                          |                      |
| <b>Other adverse effects:</b>      | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |                      |

## 13. DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions:</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Disposal should be made in accordance with applicable regional, national and local |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Local disposal Regulations</b>            | laws and regulations.<br>Dispose of in accordance with local regulations.                                                                                                                                        |
| <b>Hazardous waste code</b>                  | This material, in its original form and concentration, would designate as a D001 federal hazardous waste for ignitability when disposed.                                                                         |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.       |

### 14. TRANSPORT INFORMATION

|                                                                                   |                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Transport of Dangerous Goods (TDG) Proof of Classification</b>                 | Classification method: Classified according to Part 2, sections 2.1-2.8 of the Regulations for the transport of dangerous goods. If applicable, the technical name and product classification will appear below. |
| <b>U.S. Department of Transportation (DOT)</b>                                    | <b>DOT</b>                                                                                                                                                                                                       |
|  |                                                                                                                                                                                                                  |
| <b>UN number:</b>                                                                 | UN1993                                                                                                                                                                                                           |
| <b>Proper shipping name:</b>                                                      | Flammable Liquid, n.o.s. (Isopropanol)                                                                                                                                                                           |
| <b>Hazard class(es):</b>                                                          | 3                                                                                                                                                                                                                |
| <b>Packing group:</b>                                                             | III                                                                                                                                                                                                              |
| <b>Special provisions:</b>                                                        | B1, B52, IB3, T4, TP1, TP29                                                                                                                                                                                      |
| <b>Packaging exceptions:</b>                                                      | 150                                                                                                                                                                                                              |
| <b>Packaging non bulk:</b>                                                        | 203                                                                                                                                                                                                              |
| <b>Packaging bulk:</b>                                                            | 242                                                                                                                                                                                                              |

### 15. REGULATORY INFORMATION

|                                                                                         |                                                                                                                |                                                                                                                               |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>US FEDERAL REGULATIONS</b>                                                           | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |                                                                                                                               |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>                    | Not regulated.                                                                                                 |                                                                                                                               |
| <b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>                                   | Isopropanol (CAS# 67-63-0)                                                                                     | Listed                                                                                                                        |
|                                                                                         | Morpholine (CAS# 110-91-8)                                                                                     | Listed                                                                                                                        |
| <b>SARA 304 Emergency Release Notification</b>                                          | Not regulated.                                                                                                 |                                                                                                                               |
| <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>               | Not listed.                                                                                                    |                                                                                                                               |
| <b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>                      |                                                                                                                |                                                                                                                               |
| <b>SARA 302 Extremely hazardous substance</b>                                           | No                                                                                                             |                                                                                                                               |
| <b>SARA 311/312 Hazardous chemical</b>                                                  | Yes                                                                                                            |                                                                                                                               |
|                                                                                         | <b>Classified Hazard Categories</b>                                                                            | Flammable (gases, aerosols, liquids, or solids)<br>Serious eye damage or eye irritation<br>Respiratory or skin sensitization. |
| <b>SARA 313 (TRI reporting)</b>                                                         |                                                                                                                |                                                                                                                               |
| <b>Chemical name</b>                                                                    | <b>CAS number</b>                                                                                              | <b>% by wt.</b>                                                                                                               |
| Isopropanol                                                                             | 67-63-0                                                                                                        | 10 – 30*                                                                                                                      |
| <b>OTHER FEDERAL REGULATIONS</b>                                                        |                                                                                                                |                                                                                                                               |
| <b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>             | Not regulated.                                                                                                 |                                                                                                                               |
| <b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b> | Not regulated.                                                                                                 |                                                                                                                               |
| <b>US STATE REGULATIONS</b>                                                             |                                                                                                                |                                                                                                                               |
| <b>US - California Hazardous Substances (Director's): Listed substance</b>              | Isopropanol (CAS# 67-63-0)                                                                                     | Listed                                                                                                                        |

|                                                                |                            |        |
|----------------------------------------------------------------|----------------------------|--------|
|                                                                | Morpholine (CAS# 110-91-8) | Listed |
| <b>US - Illinois Chemical Safety Act: Listed substance</b>     |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) |        |
|                                                                | Morpholine (CAS# 110-91-8) |        |
| <b>US - Louisiana Spill Reporting: Listed substance</b>        |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) | Listed |
|                                                                | Morpholine (CAS# 110-91-8) | Listed |
| <b>US - Minnesota Haz Subs: Listed substance</b>               |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) | Listed |
|                                                                | Morpholine (CAS# 110-91-8) | Listed |
| <b>US - Texas Effects Screening Levels: Listed substance</b>   |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) | Listed |
|                                                                | Morpholine (CAS# 110-91-8) | Listed |
| <b>US. Massachusetts RTK - Substance List</b>                  |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) |        |
|                                                                | Morpholine (CAS# 110-91-8) |        |
| <b>US. New Jersey Worker and Community Right-to-Know Act</b>   |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) |        |
|                                                                | Morpholine (CAS# 110-91-8) |        |
| <b>US. Pennsylvania Worker and Community Right-to-Know Law</b> |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) |        |
|                                                                | Morpholine (CAS# 110-91-8) |        |
| <b>US. Rhode Island RTK</b>                                    |                            |        |
|                                                                | Isopropanol (CAS# 67-63-0) |        |
|                                                                | Morpholine (CAS# 110-91-8) |        |
| <b>US. California Proposition 65</b>                           |                            |        |
|                                                                | Not listed                 |        |

### Inventory status

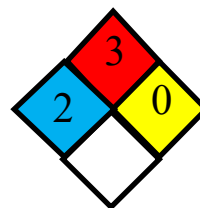
| Country(s) or region        | Inventory name                                   | On inventory (yes/no)* |
|-----------------------------|--------------------------------------------------|------------------------|
| Canada                      | Domestic Substances List (DSL)                   | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)              | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA)<br>Inventory | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. OTHER INFORMATION

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                            |          |
|----------------------------|----------|
| <b>HEALTH</b>              | <b>2</b> |
| <b>FLAMMABILITY</b>        | <b>3</b> |
| <b>PHYSICAL HAZARD</b>     | <b>0</b> |
| <b>PERSONAL PROTECTION</b> | <b>X</b> |



The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC to confirm that you have the most current product label and SDS.

This Safety Data Sheet (SDS) may provide more information than the product label but does not replace or modify the product labeling (attached to and accompanying the product container). The product SDS and the product label both provide consistent and important health, safety, and environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). This requirement covers employers, employees, emergency responders, users and others handling the product. All necessary hazard classification and appropriate precautionary, use, storage, and disposal information are set forth on the labeling and the SDS.

**SDS preparation date:** September 23, 2025

**Replaces SDS dated:** October 22, 2020

**Changes since last** Rebranding

**Version:** 4

**revision:**