

### Section 1. Identification

**GHS product identifier** : AF-PL  
**Product code** : 53-C 553 (500mL), 53-C 557 (20L), 53-C 558 (200L)  
**SDS no.** : L-65E  
**Product type** : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : Industrial strength cleaner and degreaser, safe on plastics.

**Manufacturer**

**Canada**  
 Walter Surface Technologies Inc.  
 5977 Trans Canada Highway  
 Pointe-Claire, QC H9R 1C1  
 Canada  
 General Information: 1-888-592-5837  
 info@walter.com  
 www.walter.com

**United States**  
 Walter Surface Technologies Inc.  
 810 Day Hill Road  
 Windsor, CT 06095  
 United States  
 General Information: 1-866-592-5837  
 info.us@walter.com  
 www.walter.com

**Emergency telephone number (with hours of operation)** : INFOTRAC® 1-800-535-5053. International call collect: 1-352-323-3500  
 24 hours/day, 7 days/week.

### Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 2  
 ACUTE TOXICITY (oral) - Category 4  
 SKIN CORROSION/IRRITATION - Category 2  
 TOXIC TO REPRODUCTION (Fertility) - Category 2  
 TOXIC TO REPRODUCTION (Unborn child) - Category 2  
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), peripheral nervous system) - Category 2  
 ASPIRATION HAZARD - Category 1  
 AQUATIC HAZARD (ACUTE) - Category 2  
 AQUATIC HAZARD (LONG-TERM) - Category 2

GHS label elements

## Section 2. Hazards identification

|   |   |   |
|---|---|---|
| <b>Hazard pictograms</b>                | : |      |
| <b>Signal word</b>                      | : | Danger  |
| <b>Hazard statements</b>                | : | H225 - Highly flammable liquid and vapor.<br>H302 - Harmful if swallowed.<br>H315 - Causes skin irritation.<br>H361 - Suspected of damaging fertility or the unborn child.<br>H304 - May be fatal if swallowed and enters airways.<br>H336 - May cause drowsiness or dizziness.<br>H373 - May cause damage to organs through prolonged or repeated exposure. (central nervous system (CNS), peripheral nervous system)<br>H411 - Toxic to aquatic life with long lasting effects.   |
| <b><u>Precautionary statements</u></b>  |   |   |
| <b>Prevention</b>                       | : | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.<br>P242 - Use only non-sparking tools.<br>P243 - Take precautionary measures against static discharge.<br>P233 - Keep container tightly closed.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P273 - Avoid release to the environment.<br>P260 - Do not breathe vapor.<br>P270 - Do not eat, drink or smoke when using this product.<br>P264 - Wash hands thoroughly after handling. |
| <b>Response</b>                         | : | P391 - Collect spillage.<br>P314 - Get medical attention if you feel unwell.<br>P308 + P313 - IF exposed or concerned: Get medical attention.<br>P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.<br>P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.<br>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.<br>P302 + P352 + P362 + P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.<br>P332 + P313 - If skin irritation occurs: Get medical attention.   |
| <b>Storage</b>                          | : | P405 - Store locked up.<br>P403 - Store in a well-ventilated place.<br>P235 - Keep cool.  |
| <b>Disposal</b>                         | : | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.  |
| <b>Hazards not otherwise classified</b> | : | None known.   |

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Product code** : 53-C 553 (500mL), 53-C 557 (20L), 53-C 558 (200L)

| Ingredient name  | %                  | CAS number            |
|--|--------------------|-----------------------|
| Solvent naphtha (petroleum), light aliph.<br>Isopropyl Alcohol | 80 - 100<br>5 - 10 | 64742-89-8<br>67-63-0 |

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : Causes skin irritation.
- Ingestion** : Harmful if swallowed. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

### Over-exposure signs/symptoms

## Section 4. First aid measures

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet or water-based fire extinguishers.

### Specific hazards arising from the chemical

- : Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

### Hazardous thermal decomposition products

- : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

## Section 5. Fire-fighting measures

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

- Spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### United States

##### Occupational exposure limits

| Ingredient name  | Exposure limits   |
|--|---|
| Solvent naphtha (petroleum), light aliph.<br>Isopropyl Alcohol | None.<br><b>ACGIH TLV (United States, 3/2018).</b><br>TWA: 200 ppm 8 hours.<br>STEL: 400 ppm 15 minutes.<br><b>NIOSH REL (United States, 10/2016).</b><br>TWA: 400 ppm 10 hours.<br>TWA: 980 mg/m <sup>3</sup> 10 hours.<br>STEL: 500 ppm 15 minutes.<br>STEL: 1225 mg/m <sup>3</sup> 15 minutes.<br><b>OSHA PEL (United States, 5/2018).</b><br>TWA: 400 ppm 8 hours.<br>TWA: 980 mg/m <sup>3</sup> 8 hours. |

#### Canada

##### Occupational exposure limits

| Ingredient name   | Exposure limits  |
|-------------------|--|
| Isopropyl Alcohol | <b>CA Alberta Provincial (Canada, 6/2018).</b><br>15 min OEL: 984 mg/m <sup>3</sup> 15 minutes.<br>8 hrs OEL: 200 ppm 8 hours.<br>15 min OEL: 400 ppm 15 minutes.<br>8 hrs OEL: 492 mg/m <sup>3</sup> 8 hours.<br><b>CA British Columbia Provincial (Canada, 7/2018).</b><br>TWA: 200 ppm 8 hours.<br>STEL: 400 ppm 15 minutes.<br><b>CA Ontario Provincial (Canada, 1/2018).</b><br>TWA: 200 ppm 8 hours.<br>STEL: 400 ppm 15 minutes.<br><b>CA Quebec Provincial (Canada, 1/2014).</b><br>TWAEV: 400 ppm 8 hours.<br>TWAEV: 983 mg/m <sup>3</sup> 8 hours.<br>STEV: 500 ppm 15 minutes.<br>STEV: 1230 mg/m <sup>3</sup> 15 minutes.<br><b>CA Saskatchewan Provincial (Canada, 7/2013).</b><br>STEL: 400 ppm 15 minutes.<br>TWA: 200 ppm 8 hours. |

**Appropriate engineering controls** : No personal respiratory protective equipment normally required. Avoid breathing dust/fume/gas/mist/vapors/spray. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## Section 8. Exposure controls/personal protection

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a NIOSH/MSHA approved respirator if there is a risk of exposure at levels exceeding the exposure limits. Advice should be sought from respiratory protection specialists.

## Section 9. Physical and chemical properties

### Appearance

|   |   |
|---|---|
| <b>Physical state</b>                               | : Liquid. [Clear.]  |
| <b>Color</b>  | : Colorless.  |
| <b>Odor</b>   | : Characteristic.   |
| <b>Odor threshold</b>                               | : Not available.  |
| <b>pH</b>   | : Not available.  |
| <b>Melting point</b>                                | : Not available.  |
| <b>Boiling point</b>                                | : Not applicable.   |
| <b>Flash point</b>                                  | : Closed cup: -7°C (19.4°F)                                       |
| <b>Evaporation rate</b>                             | : Not applicable.   |
| <b>Flammability (solid, gas)</b>                    | : Not available.  |
| <b>Lower and upper explosive (flammable) limits</b> | : Lower: 0.8%<br>Upper: 12%                                       |
| <b>Vapor pressure</b>                               | : Not available.  |
| <b>Vapor density</b>                                | : Not available.  |
| <b>Relative density</b>                             | : 0.702 g/ml @ 20°C (68°F)  |
| <b>Solubility</b>                                   | : Insoluble in the following materials: cold water and hot water. |

## Section 9. Physical and chemical properties

|   |   |
|---|---|
| <b>Partition coefficient: n-octanol/water</b> | : Not available.  |
| <b>Auto-ignition temperature</b>              | : 320°C (608°F)   |
| <b>Decomposition temperature</b>              | : Not available.  |
| <b>Viscosity</b>                              | : Kinematic (20°C): <0.225 cm <sup>2</sup> /s (<22.5 cSt) |
| <b>Flow time (ISO 2431)</b>                   | : Not available.  |
| <b>VOC content</b>                            | : 100 % (w/w)   |

## Section 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.  |
| <b>Chemical stability</b>                 | : The product is stable.  |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.   |
| <b>Conditions to avoid</b>                | : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |
| <b>Incompatible materials</b>             | : Reactive or incompatible with the following materials: oxidizing materials.   |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose        | Exposure |
|-------------------------|-------------|---------|-------------|----------|
| Isopropyl Alcohol       | LD50 Dermal | Rabbit  | 12800 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 5000 mg/kg  | -        |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure        | Observation |
|-------------------------|--------------------------|---------|-------|-----------------|-------------|
| Isopropyl Alcohol       | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 mg | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 10 mg           | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100 mg          | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 mg          | -           |

#### Sensitization

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

##### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Isopropyl Alcohol       | -    | 3    | -   |

#### Reproductive toxicity

## Section 11. Toxicological information

There is no data available.

### Teratogenicity

There is no data available.

### Specific target organ toxicity (single exposure)

| Name                       | Category                 | Target organs                        |
|----------------------------|--------------------------|--------------------------------------|
| AF-PL<br>Isopropyl Alcohol | Category 3<br>Category 3 | Narcotic effects<br>Narcotic effects |

### Specific target organ toxicity (repeated exposure)

| Name                                      | Category   | Target organs  |
|---|------------|--|
| Solvent naphtha (petroleum), light aliph. | Category 2 | central nervous system (CNS) and peripheral nervous system |

### Aspiration hazard

| Name   | Result   |
|--|--|
| AF-PL<br>Solvent naphtha (petroleum), light aliph. | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
- Skin contact** : Causes skin irritation.
- Ingestion** : Harmful if swallowed. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

## Section 11. Toxicological information

**Ingestion** : Adverse symptoms may include the following:  
 nausea or vomiting  
 reduced fetal weight  
 increase in fetal deaths  
 skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

**General** : May cause damage to organs through prolonged or repeated exposure.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : Suspected of damaging the unborn child.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : Suspected of damaging fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route  | ATE value  |
|--------|------------|
| Oral   | 1987 mg/kg |
| Dermal | 3080 mg/kg |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                   | Result  | Species   | Exposure                         |
|---|---|---|----------------------------------|
| Solvent naphtha (petroleum), light aliph. | Acute LC50 >100000 ppm Fresh water  | Fish - Oncorhynchus mykiss  | 96 hours                         |
| Isopropyl Alcohol                         | Acute EC50 10100 mg/L Fresh water<br>Acute LC50 1400000 µg/L Marine water<br>Acute LC50 4200 mg/L Fresh water | Daphnia - Daphnia magna<br>Crustaceans - Crangon crangon<br>Fish - Rasbora heteromorpha | 48 hours<br>48 hours<br>96 hours |

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

| Product/ingredient name                   | LogP <sub>ow</sub> | BCF        | Potential |
|---|--------------------|------------|-----------|
| Solvent naphtha (petroleum), light aliph. | -                  | 10 to 2500 | high      |
| Isopropyl Alcohol                         | 0.05               | -          | low       |

## Section 12. Ecological information

### Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ ) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                            | DOT Classification   | TDG Classification   | IMDG  | IATA   |
|----------------------------|--|--|---|--|
| UN number                  | UN1993   | UN1993   | UN1993  | UN1993   |
| UN proper shipping name    | FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light aliph., Isopropyl Alcohol)  | FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light aliph., Isopropyl Alcohol)  | FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light aliph., Isopropyl Alcohol)   | FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light aliph., Isopropyl Alcohol)    |
| Transport hazard class(es) | 3<br> | 3<br> | 3<br> | 3<br> |
| Packing group              | II   | II   | II  | II   |
| Environmental hazards      | No.  | No.  | No.   | No.  |

AERG : 128

### Additional information

**TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b)**: All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : FLAMMABLE LIQUIDS - Category 2  
 ACUTE TOXICITY (oral) - Category 4  
 SKIN CORROSION/IRRITATION - Category 2  
 TOXIC TO REPRODUCTION (Fertility) - Category 2  
 TOXIC TO REPRODUCTION (Unborn child) - Category 2  
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), peripheral nervous system) - Category 2  
 ASPIRATION HAZARD - Category 1

Composition/information on ingredients

| Name                                      | Classification   |
|---|--|
| Solvent naphtha (petroleum), light aliph. | TOXIC TO REPRODUCTION (Fertility) - Category 2<br>TOXIC TO REPRODUCTION (Unborn child) - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), peripheral nervous system) - Category 2<br>ASPIRATION HAZARD - Category 1 |
| Isopropyl Alcohol                         | FLAMMABLE LIQUIDS - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3   |

**SARA 313**

There is no data available.

**State regulations**

**Massachusetts** : The following components are listed: Isopropyl Alcohol

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: Isopropyl Alcohol

**Pennsylvania** : The following components are listed: Isopropyl Alcohol

**California Prop. 65**

## Section 15. Regulatory information

**⚠ WARNING:** This product can expose you to chemicals including 7-Methyl-3-Methyleneocta-1,6-Diene, which is known to the State of California to cause cancer, and n-Hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Canada

#### Canadian lists

**Canadian NPRI** : The following components are listed: Solvent naphtha (petroleum), light aliph.; Isopropyl Alcohol

**CEPA Toxic substances** : None of the components are listed.

**Canada inventory (DSL NDSL)** : All components are listed or exempted.

**Australia** : All components are listed or exempted.

**China** : All components are listed or exempted.

**Europe** : All components are listed or exempted.

**Malaysia** : Not determined

**New Zealand** : All components are listed or exempted.

**Philippines** : All components are listed or exempted.

**Republic of Korea** : All components are listed or exempted.

**Taiwan** : All components are listed or exempted.

## Section 16. Other information

### Procedure used to derive the classification

| Classification  | Justification         |
|---|-----------------------|
| FLAMMABLE LIQUIDS - Category 2  | On basis of test data |
| ACUTE TOXICITY (oral) - Category 4  | Expert judgment       |
| SKIN CORROSION/IRRITATION - Category 2  | Expert judgment       |
| TOXIC TO REPRODUCTION (Fertility) - Category 2  | Calculation method    |
| TOXIC TO REPRODUCTION (Unborn child) - Category 2   | Calculation method    |
| SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  | Expert judgment       |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS), peripheral nervous system) - Category 2 | Calculation method    |
| ASPIRATION HAZARD - Category 1  | Expert judgment       |
| AQUATIC HAZARD (ACUTE) - Category 2   | Expert judgment       |
| AQUATIC HAZARD (LONG-TERM) - Category 2   | Expert judgment       |

### History

**Date of issue mm/dd/yyyy** : 09/30/2018

**Date of previous issue** : 01/30/2018

**Version** : 3

**Prepared by** : KMK Regulatory Services Inc.

### Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.