

# SAFETY DATA SHEET

## 1. Identification

|   |   |
|---|---|
| <b>Product identifier</b>                                     | <b>LPS® HDX</b>   |
| <b>Other means of identification</b>                          |   |
| <b>Part Number</b>  | 01005, 01055  |
| <b>Recommended use</b>  | A degreaser designed to remove grease, oil, dirt and other residues from metal and other hard surfaces near ignition sources. |
| <b>Recommended restrictions</b>                               | None known.   |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |
| <b>Manufacturer</b>   |   |
| <b>Manufacturer</b>   |   |
| <b>Company name</b>   | ITW Pro Brands  |
| <b>Address</b>  | 4647 Hugh Howell Rd.<br>Tucker, GA 30084  |
| <b>Country</b>  | (U.S.A.)<br>Tel: +1 770-243-8800  |
| <b>In Case of Emergency</b>                                   | 1-800-424-9300 (inside U.S.)<br>+001 703-527-3887 (outside U.S.)  |
| <b>Website</b>  | www.lpslabs.com   |
| <b>E-mail</b>   | lpssds@itwprobrands.com   |

## 2. Hazard(s) identification

|                              |   |                             |
|------------------------------|---|-----------------------------|
| <b>Physical hazards</b>      | Not classified.                                 |                             |
| <b>Health hazards</b>        | Skin corrosion/irritation                       | Category 2                  |
|                              | Serious eye damage/eye irritation               | Category 2A                 |
|                              | Germ cell mutagenicity                          | Category 2                  |
|                              | Carcinogenicity                                 | Category 1B                 |
|                              | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| <b>Environmental hazards</b> | Not classified.                                 |                             |
| <b>OSHA defined hazards</b>  | Not classified.                                 |                             |
| <b>Label elements</b>        |   |                             |



|                                |  |
|--------------------------------|--|
| <b>Signal word</b>             | Danger   |
| <b>Hazard statement</b>        | Causes skin irritation. Causes serious eye irritation. Suspected of causing genetic defects. May cause cancer. May cause drowsiness or dizziness.  |
| <b>Precautionary statement</b> |  |
| <b>Prevention</b>              | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.  |
| <b>Response</b>                | If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| <b>Storage</b>                 | Store in a well-ventilated place. Keep container tightly closed. Store locked up.  |

|  |   |
|--|---|
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.   |
| <b>Supplemental information</b>                  | None known.   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name           | Common name and synonyms | CAS number | %        |
|-------------------------|--------------------------|------------|----------|
| 1,1,2-trichloroethylene |                          | 79-01-6    | 90 - 100 |

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.   |
| <b>Skin contact</b>   | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.   |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).                      |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | 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>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

### 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. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.   |
| <b>Methods and materials for containment and cleaning up</b>               | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.   |

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container.

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

| Components                      | Type | Value                | Form   |
|---------------------------------|------|----------------------|--------|
| Butanone (CAS 78-93-3)          | PEL  | 590 mg/m3<br>200 ppm |        |
| Camphor USP (CAS 76-22-2)       | PEL  | 2 mg/m3              |        |
| Diphenyl Oxide (CAS 101-84-8)   | PEL  | 7 mg/m3              | Vapor. |
| Iso amyl acetate (CAS 123-92-2) | PEL  | 1 ppm<br>525 mg/m3   | Vapor. |
| Turpentine (CAS 8006-64-2)      | PEL  | 100 ppm<br>560 mg/m3 |        |
|                                 |      | 100 ppm              |        |

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components                            | Type    | Value   |
|---------------------------------------|---------|---------|
| 1,1,2-trichloroethylene (CAS 79-01-6) | Ceiling | 200 ppm |
|                                       | TWA     | 100 ppm |

#### US. ACGIH Threshold Limit Values

| Components                            | Type | Value   | Form   |
|---------------------------------------|------|---------|--------|
| 1,1,2-trichloroethylene (CAS 79-01-6) | STEL | 25 ppm  |        |
|                                       | TWA  | 10 ppm  |        |
| Butanone (CAS 78-93-3)                | STEL | 300 ppm |        |
|                                       | TWA  | 200 ppm |        |
| Camphor USP (CAS 76-22-2)             | STEL | 3 ppm   |        |
|                                       | TWA  | 2 ppm   |        |
| Diphenyl Oxide (CAS 101-84-8)         | STEL | 2 ppm   | Vapor. |
|                                       | TWA  | 1 ppm   | Vapor. |
| Iso amyl acetate (CAS 123-92-2)       | STEL | 100 ppm |        |
|                                       | TWA  | 50 ppm  |        |
| Turpentine (CAS 8006-64-2)            | TWA  | 20 ppm  |        |

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

| Components                            | Type    | Value                | Form |
|---------------------------------------|---------|----------------------|------|
| 1,1,2-trichloroethylene (CAS 79-01-6) | Ceiling | 2 ppm                |      |
|                                       | TWA     | 25 ppm               |      |
| Butanone (CAS 78-93-3)                | STEL    | 885 mg/m3<br>300 ppm |      |
|                                       | TWA     | 590 mg/m3<br>200 ppm |      |

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

| Components                      | Type | Value                | Form   |
|---------------------------------|------|----------------------|--------|
| Camphor USP (CAS 76-22-2)       | TWA  | 2 mg/m3              |        |
| Diphenyl Oxide (CAS 101-84-8)   | TWA  | 7 mg/m3              | Vapor. |
| Iso amyl acetate (CAS 123-92-2) | TWA  | 1 ppm<br>525 mg/m3   | Vapor. |
| Turpentine (CAS 8006-64-2)      | TWA  | 100 ppm<br>560 mg/m3 |        |
|                                 |      | 100 ppm              |        |

**US. Workplace Environmental Exposure Level (WEEL) Guides**

| Components                        | Type | Value              |
|-----------------------------------|------|--------------------|
| 1,2 Butylene Oxide (CAS 106-88-7) | TWA  | 5.9 mg/m3<br>2 ppm |

**Biological limit values****ACGIH Biological Exposure Indices**

| Components                            | Value               | Determinant   | Specimen       | Sampling Time |
|---------------------------------------|---------------------|---|----------------|---------------|
| 1,1,2-trichloroethylene (CAS 79-01-6) | 15 mg/l<br>0.5 mg/l | Trichloroacetic acid<br>Trichloroethano l, without hydrolysis | Urine<br>Blood | *<br>*        |
| Butanone (CAS 78-93-3)                | 2 mg/l              | MEK   | Urine          | *             |

\* - For sampling details, please see the source document.

**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. Eye wash facilities and emergency shower must be available when handling this product.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Light brown.

**Odor** Sweet, Spice.

**Odor threshold** Not established

**pH** Not applicable

**Melting point/freezing point** Not established

**Initial boiling point and boiling range** 188.6 °F (87 °C)

|   |                       |
|---|-----------------------|
| <b>Flash point</b>                                  | Tag Closed Cup (None) |
| <b>Evaporation rate</b>                             | 0.3 (Ethyl Ether = 1) |
| <b>Flammability (solid, gas)</b>                    | Not applicable.       |
| <b>Upper/lower flammability or explosive limits</b> |                       |
| <b>Flammability limit - lower (%)</b>               | 8 %                   |
| <b>Flammability limit - upper (%)</b>               | 10.5 %                |
| <b>Explosive limit - lower (%)</b>                  | Not available.        |
| <b>Explosive limit - upper (%)</b>                  | Not available.        |
| <b>Vapor pressure</b>                               | 58 mm Hg @ 20°C       |
| <b>Vapor density</b>                                | 4.5                   |
| <b>Relative density</b>                             | Not available.        |
| <b>Solubility(ies)</b>                              |                       |
| <b>Solubility (water)</b>                           | 0.1 %                 |
| <b>Partition coefficient (n-octanol/water)</b>      | 2.4                   |
| <b>Auto-ignition temperature</b>                    | > 788 °F (> 420 °C)   |
| <b>Decomposition temperature</b>                    | Not established       |
| <b>Viscosity</b>                                    | 0.53 cP @ 25° C       |
| <b>Other information</b>                            |                       |
| <b>Explosive properties</b>                         | Not explosive.        |
| <b>Heat of combustion</b>                           | < 20 kJ/g             |
| <b>Oxidizing properties</b>                         | Not oxidizing.        |
| <b>Percent volatile</b>                             | 100 %                 |
| <b>Specific gravity</b>                             | 1.41 - 1.47 @ 20°C    |
| <b>VOC</b>  | 100 %                 |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | Carbon oxides.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| <b>Skin contact</b> | Causes skin irritation.  |
| <b>Eye contact</b>  | Causes serious eye irritation.   |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.   |

**Symptoms related to the physical, chemical and toxicological characteristics** May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

**Acute toxicity** Narcotic effects.

| Components  | Species  | Test Results                |
|---|--|-----------------------------|
| 1,1,2-trichloroethylene (CAS 79-01-6)                                 |  |                             |
| <b>Acute</b>  |  |                             |
| <b>Oral</b>   |  |                             |
| LD50  | Rat  | 4920 mg/kg                  |
| 1,2 Butylene Oxide (CAS 106-88-7)                                     |  |                             |
| <b>Acute</b>  |  |                             |
| <b>Dermal</b>   |  |                             |
| LD50  | Rabbit   | 1500 - 2950 mg/kg, 24 Hours |
| <b>Inhalation</b>   |  |                             |
| <i>Vapor</i>  |  |                             |
| LC50  | Rat  | > 6.3 mg/l, 4 Hours         |
| <b>Oral</b>   |  |                             |
| LD50  | Rat  | 1 - 1.58 mg/kg              |
| Butanone (CAS 78-93-3)  |  |                             |
| <b>Acute</b>  |  |                             |
| <b>Oral</b>   |  |                             |
| LD50  | Rat  | 2054 mg/kg                  |
| Diphenyl Oxide (CAS 101-84-8)   |  |                             |
| <b>Acute</b>  |  |                             |
| <b>Oral</b>   |  |                             |
| LD50  | Rat  | 2.83 g/kg                   |
| Turpentine (CAS 8006-64-2)  |  |                             |
| <b>Acute</b>  |  |                             |
| <b>Inhalation</b>   |  |                             |
| <i>Vapor</i>  |  |                             |
| LC50  | Rat  | 13.7 mg/l, 4 Hours          |
| <b>Skin corrosion/irritation</b>                                      | Causes skin irritation.  |                             |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye irritation.   |                             |
| <b>Respiratory or skin sensitization</b>                              |  |                             |
| <b>ACGIH sensitization</b>  |  |                             |
| TURPENTINE AND SELECTED MONOTERPENES (CAS 8006-64-2)                  | Dermal sensitization   |                             |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.  |                             |
| <b>Skin sensitization</b>   | This product is not expected to cause skin sensitization.                    |                             |
| <b>Germ cell mutagenicity</b>   | Suspected of causing genetic defects.  |                             |
| <b>Carcinogenicity</b>  | May cause cancer.  |                             |
| <b>ACGIH Carcinogens</b>  |  |                             |
| 1,1,2-trichloroethylene (CAS 79-01-6)                                 | A2 Suspected human carcinogen.   |                             |
| Camphor USP (CAS 76-22-2)   | A4 Not classifiable as a human carcinogen.                                   |                             |
| Turpentine (CAS 8006-64-2)  | A4 Not classifiable as a human carcinogen.                                   |                             |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |  |                             |
| 1,1,2-trichloroethylene (CAS 79-01-6)                                 | 1 Carcinogenic to humans.  |                             |
| 1,2 Butylene Oxide (CAS 106-88-7)                                     | 2B Possibly carcinogenic to humans.  |                             |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b> |  |                             |
| Not regulated.  |  |                             |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>    |  |                             |
| 1,1,2-trichloroethylene (CAS 79-01-6)                                 | Reasonably Anticipated to be a Human Carcinogen.                             |                             |
| <b>Reproductive toxicity</b>  | This product is not expected to cause reproductive or developmental effects. |                             |
| <b>Specific target organ toxicity - single exposure</b>               | May cause drowsiness and dizziness.  |                             |

|   |  |
|---|--|
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |
| <b>Aspiration hazard</b>                                  | Not an aspiration hazard.  |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |
| <b>Further information</b>                                | Symptoms may be delayed.   |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components                            | Species | Test Results                                       |
|---------------------------------------|---------|--|
| 1,1,2-trichloroethylene (CAS 79-01-6) |         |  |
| <b>Aquatic</b>                        |         |  |
| Fish                                  | LC50    | Flagfish ( <i>Jordanella floridae</i> )            |
|                                       |         | 3.1 mg/l, 96 hours                                 |
| Butanone (CAS 78-93-3)                |         |  |
| <b>Aquatic</b>                        |         |  |
| Crustacea                             | EC50    | Water flea ( <i>Daphnia magna</i> )                |
|                                       |         | 4025 - 6440 mg/l, 48 hours                         |
| Fish                                  | LC50    | Sheepshead minnow ( <i>Cyprinodon variegatus</i> ) |
|                                       |         | > 400 mg/l, 96 hours                               |
| Diphenyl Oxide (CAS 101-84-8)         |         |  |
| <b>Aquatic</b>                        |         |  |
| Fish                                  | LC50    | Sheepshead minnow ( <i>Cyprinodon variegatus</i> ) |
|                                       |         | 1.8 - 3.2 mg/l, 96 hours                           |

**Persistence and degradability** No data is available on the degradability of this product.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

|                         |      |
|-------------------------|------|
| LPS® HDX                | 2.4  |
| 1,1,2-trichloroethylene | 2.61 |
| Butanone                | 0.29 |
| Diphenyl Oxide          | 4.21 |

**Mobility in soil** No data available.

**Other adverse effects** None known.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.  
D040: Waste Trichloroethylene  
F001

**Waste from residues / unused products** 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).

**Contaminated packaging** 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

### DOT

|                                   |                   |
|-----------------------------------|-------------------|
| <b>UN number</b>                  | UN1710            |
| <b>UN proper shipping name</b>    | Trichloroethylene |
| <b>Transport hazard class(es)</b> |                   |
| <b>Class</b>                      | 6.1(PGIII)        |
| <b>Subsidiary risk</b>            | -                 |
| <b>Label(s)</b>                   | 6.1               |
| <b>Packing group</b>              | III               |

**Environmental hazards**

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Marine pollutant</b>             | No                |
| <b>Special precautions for user</b> | Not available.    |
| <b>Special provisions</b>           | IB3, N36, T4, TP1 |
| <b>Packaging exceptions</b>         | 153               |
| <b>Packaging non bulk</b>           | 203               |
| <b>Packaging bulk</b>               | 241               |

**IATA**

|                                     |                            |
|-------------------------------------|----------------------------|
| <b>UN number</b>                    | UN1710                     |
| <b>UN proper shipping name</b>      | Trichloroethylene          |
| <b>Transport hazard class(es)</b>   |                            |
| <b>Class</b>                        | 6.1(PGIII)                 |
| <b>Subsidiary risk</b>              | -                          |
| <b>Packing group</b>                | III                        |
| <b>Environmental hazards</b>        | No                         |
| <b>ERG Code</b>                     | 6A                         |
| <b>Special precautions for user</b> | Not available.             |
| <b>Other information</b>            |                            |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions. |
| <b>Cargo aircraft only</b>          | Allowed with restrictions. |

**IMDG**

|                                     |                   |
|-------------------------------------|-------------------|
| <b>UN number</b>                    | UN1710            |
| <b>UN proper shipping name</b>      | TRICHLOROETHYLENE |
| <b>Transport hazard class(es)</b>   |                   |
| <b>Class</b>                        | 6.1(PGIII)        |
| <b>Subsidiary risk</b>              | -                 |
| <b>Packing group</b>                | III               |
| <b>Environmental hazards</b>        |                   |
| <b>Marine pollutant</b>             | No                |
| <b>EmS</b>                          | F-A, S-A          |
| <b>Special precautions for user</b> | Not available.    |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**DOT**



**IATA; IMDG**





## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

1,1,2-trichloroethylene (CAS 79-01-6) 0.1 % One-Time Export Notification only.

### CERCLA Hazardous Substance List (40 CFR 302.4)

1,1,2-trichloroethylene (CAS 79-01-6) Listed.  
1,2 Butylene Oxide (CAS 106-88-7) Listed.  
Butanone (CAS 78-93-3) Listed.  
Iso amyl acetate (CAS 123-92-2) Listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

#### SARA 313 (TRI reporting)

| Chemical name     | CAS number | % by wt. |
|-------------------|------------|----------|
| TRICHLOROETHYLENE | 79-01-6    | 90 - 100 |

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

1,1,2-trichloroethylene (CAS 79-01-6)  
1,2 Butylene Oxide (CAS 106-88-7)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

#### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Butanone (CAS 78-93-3) 6714

#### Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Butanone (CAS 78-93-3) 35 %WV

#### DEA Exempt Chemical Mixtures Code Number

Butanone (CAS 78-93-3) 6714

#### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Butanone (CAS 78-93-3) Low priority  
Diphenyl Oxide (CAS 101-84-8) Low priority  
Iso amyl acetate (CAS 123-92-2) Low priority

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### US. New Jersey Worker and Community Right-to-Know Act

1,1,2-trichloroethylene (CAS 79-01-6)  
1,2 Butylene Oxide (CAS 106-88-7)  
Butanone (CAS 78-93-3)  
Camphor USP (CAS 76-22-2)  
Diphenyl Oxide (CAS 101-84-8)  
Iso amyl acetate (CAS 123-92-2)  
Turpentine (CAS 8006-64-2)

#### California Proposition 65

##### California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,1,2-trichloroethylene (CAS 79-01-6) Listed: April 1, 1988

##### California Proposition 65 - CRT: Listed date/Developmental toxin

1,1,2-trichloroethylene (CAS 79-01-6) Listed: Jan 31, 2014

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

1,1,2-trichloroethylene (CAS 79-01-6)

Listed: Jan 31, 2014

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

1,1,2-trichloroethylene (CAS 79-01-6)

1,2 Butylene Oxide (CAS 106-88-7)

Butanone (CAS 78-93-3)

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Toxic Chemical Substances (TCS)                                 | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

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

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 10-18-2016**Revision date** 02-19-2018**Version #** 02**Disclaimer**

ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision information**

Physical &amp; Chemical Properties: Multiple Properties