SAFETY DATA SHEET
CH775_CH797_I.P.A. SOLVENT

1. Identification

Product identifier
Product name CH775_CH797_I.P.A. SOLVENT
Product number 758CH775, 758CH797

Recommended use of the chemical and restrictions on use
Application Cleaning agent.

Details of the supplier of the safety data sheet
Manufacturer Techni-Tool, Inc.
1547 North Trooper Road
Worcester, PA 19490-1117
610-941-2400
610-940-5485
www.techni-tool.com

Emergency telephone number
Emergency telephone CHEMTREC (800) 424-9300

2. Hazard(s) identification

Classification of the substance or mixture
OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.
Physical hazards Flam. Liq. 2 - H225
Health hazards Eye Irrit. 2A - H319 STOT SE 3 - H336
Environmental hazards Not Classified

Physicochemical The product is highly flammable. Vapors may form explosive mixtures with air.

Label elements
Pictogram

Signal word Danger
Hazard statements H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
**Precautionary statements**

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P240 Ground/ bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapor/ spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P302+P352 If on skin: Wash with plenty of water.
P314 Get medical advice/ attention if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/ container in accordance with national regulations.

**Supplemental label information**

Safety data sheet available on request. For use in industrial installations only.

**Contains**

PROPN-2-OL

**Other hazards**

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPN-2-OL</td>
<td>60-100%</td>
</tr>
</tbody>
</table>

**CAS number:** 67-63-0

**Classification**

- Flam. Liq. 2 - H225
- Eye Irrit. 2A - H319
- STOT SE 3 - H336

The full text for all hazard statements is displayed in Section 16.

**Composition comments**

TSCA: The ingredients of this product are on the TSCA Inventory. The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200

**Composition**

### 4. First-aid measures

#### General information

The product is flammable. CAUTION! First aid personnel must be aware of own risk during rescue! Move affected person to fresh air at once. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention if any discomfort continues.

#### Inhalation

Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.
CH775_CH797_ I.P.A. SOLVENT

Ingestion
Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician for specific advice.

Skin Contact
Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Vapours may cause drowsiness and dizziness. Headache. Irritation of nose, throat and airway.

Ingestion
Ingestion of large amounts may cause unconsciousness. May cause nausea, headache, dizziness and intoxication.

Skin contact
Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause skin irritation/eczema.

Eye contact
May cause temporary eye irritation. Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

Indication of immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards
The product is flammable. Heating may generate flammable vapors. Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

Hazardous combustion products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Oxides of carbon.

Advice for firefighters

Protective actions during firefighting
Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapors.

Special protective equipment for firefighters
Use protective equipment appropriate for surrounding materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
CH775_CH797_ I.P.A. SOLVENT

Personal precautions
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

Environmental precautions
Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

Methods for cleaning up
Warn everybody of potential hazards and evacuate if necessary. If leakage cannot be stopped, evacuate area. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards.

7. Handling and storage

Precautions for safe handling
Usage precautions
Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level. Storage tanks and other containers must be grounded. Static electricity and formation of sparks must be prevented. Ground and bond containers when transferring material.

Conditions for safe storage, including any incompatibilities
Storage precautions
Store in tightly-closed, original container. Keep container dry. Ground container and transfer equipment to eliminate sparks from static electricity. Do not store near heat sources or expose to high temperatures.

Specific end uses
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

Usage description
Cleaning agent.

Reference to other sections
Store away from incompatible materials (see Section 10).

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

PROPN-2-OL

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m³
Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m³
Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m³

A4
OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.

Additional Occupational Exposure Limits

Ingredient comments
WEL = Workplace Exposure Limits
CH775_CH797_ I.P.A. SOLVENT

Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection
Not considered to be a significant hazard due to the small quantities used. Wear apron or protective clothing in case of contact.

Hygiene measures
Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic. Alcoholic.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>22 ppm</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 - 7.2</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>82 - 83°C/179 - 182°F @ 101.3 kPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>12°C/54°F TCC (Tag closed cup)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available.</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Upper flammable/explosive limit: 12.0 Lower flammable/explosive limit: 2.0</td>
</tr>
<tr>
<td>Other flammability</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>41 hPa @ 20°C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>1.82</td>
</tr>
</tbody>
</table>
**CH775_CH797_ I.P.A. SOLVENT**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative density</td>
<td>0.785 g/cm³ @ 20°C</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Completely soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Pow: 0.05</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>399°C/750°F</td>
</tr>
<tr>
<td>Viscosity</td>
<td>2.43 mPa s @ 20°C</td>
</tr>
<tr>
<td>Refractive index</td>
<td>No information available.</td>
</tr>
<tr>
<td>Particle size</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No information available.</td>
</tr>
<tr>
<td>Volatility</td>
<td>100%</td>
</tr>
<tr>
<td>Saturation concentration</td>
<td>No information available.</td>
</tr>
<tr>
<td>Critical temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Volatile organic compound</td>
<td>This product contains a maximum VOC content of 785 g/litre.</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

**Reactivity**

There are no known reactivity hazards associated with this product.

**Stability**

Stable at normal ambient temperatures.

**Possibility of hazardous reactions**

Will not polymerize.

**Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidizing agents. Strong alkalis. Strong mineral acids.

**Materials to avoid**

Strong oxidizing agents.

**Hazardous decomposition products**


### 11. Toxicological information

**Information on toxicological effects**

**Other health effects**

There is no evidence that the product can cause cancer.

**Inhalation**

May cause respiratory system irritation. Vapors may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

**Ingestion**

Substance may be harmful if swallowed. May cause nausea, headache, dizziness and intoxication. May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhea.

**Skin Contact**

Product has a defatting effect on skin. May cause skin irritation/eczema.

**Eye contact**

Irritating to eyes. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.
CH775_CH797_ I.P.A. SOLVENT

Acute and chronic health hazards

Keep out of the reach of children.

Toxicological information on ingredients.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Acute toxicity - oral</th>
<th>Acute toxicity - dermal</th>
<th>Acute toxicity - inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute toxicity oral (LD₅₀ mg/kg)</td>
<td>Acute toxicity dermal (LD₅₀ mg/kg)</td>
<td>Acute toxicity inhalation (LC₅₀ vapours mg/l)</td>
</tr>
<tr>
<td>Species Rat</td>
<td>5,800.0</td>
<td>13,000.0</td>
<td>16,000.0</td>
</tr>
<tr>
<td>ATE oral mg/kg</td>
<td>5,800.0</td>
<td>13,000.0</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity - dermal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Species Rabbit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE dermal mg/kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity - inhalation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Species Rat</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE inhalation (vapours mg/l)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>IARC carcinogenicity</td>
<td>IARC Group 3</td>
<td>Not classifiable as to its carcinogenicity to humans.</td>
</tr>
<tr>
<td></td>
<td>NTP carcinogenicity</td>
<td>Not listed.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA Carcinogenicity</td>
<td>Not listed.</td>
<td></td>
</tr>
</tbody>
</table>

12. Ecological Information

Ecotoxicity

There are no data on the ecotoxicity of this product.

Toxicity

Ecological information on ingredients.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Acute toxicity - fish</th>
<th>Acute toxicity - aquatic invertebrates</th>
<th>Acute toxicity - aquatic plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPAN-2-OL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity fish</td>
<td>LC₅₀, 96 hours: 9,640 mg/l, Fish</td>
<td>EC₅₀, 48 hours: 5102 mg/l, Daphnia magna</td>
<td>IC₅₀, 72 hours: &gt;2,000 mg/l, Algae</td>
</tr>
</tbody>
</table>

Persistence and degradability

The product is readily biodegradable.

Bioaccumulative potential
CH775_CH797_ I.P.A. SOLVENT

Bio-Accumulative Potential
The product does not contain any substances expected to be bioaccumulating.

Partition coefficient
Pow: 0.05

Mobility in soil

Mobility
The product is soluble in water.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Other adverse effects
The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

13. Disposal considerations

Waste treatment methods

General information
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste is suitable for incineration. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General
As supplied, this product is consigned under the Limited Quantities provisions.

Road transport notes
Exception Applies: LIQUID CLEANING COMPOUND N.O.S. NOT D.O.T REGULATED PER 49 CFR 173.150 (b)

UN Number
UN No. (TDG) LIMITED QUANTITY
UN No. (IMDG) UN1219
UN No. (ICAO) UN1219
UN No. (DOT) LIMITED QUANTITY

UN proper shipping name
Proper shipping name (TDG) ISOPROPA NOL
Proper shipping name (IMDG) ISOPROPA NOL
Proper shipping name (ICAO) ISOPROPA NOL

Transport hazard class(es)
TDG class 3
IMDG Class 3
ICAO class/division 3

Transport labels

http://www.techni-tool.com
CH775_CH797_ I.P.A. SOLVENT

Packing group
TDG Packing Group II
IMDG packing group II
ICAO packing group II
DOT packing group II

Environmental hazards
Environmentally Hazardous Substance
No.

Special precautions for user
EmS F-E, S-D

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant. No information required.

15. Regulatory information

International Regulations
US Federal Regulations
SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
Not listed.

SARA 313 Emission Reporting
Not listed.

CAA Accidental Release Prevention
Not listed.

SARA (311/312) Hazard Categories
Acute
Chronic
Fire

OSHA Highly Hazardous Chemicals
Not listed.

US State Regulations
California Proposition 65 Carcinogens and Reproductive Toxins
Not listed.

California Air Toxics "Hot Spots" (A-I)
PROPN-2-OL
Present.
CH775_CH797_ I.P.A. SOLVENT

California Air Toxics "Hot Spots" (A-II)
Not listed.

California Directors List of Hazardous Substances

PROPAN-2-OL
Present.

Massachusetts "Right To Know" List

PROPAN-2-OL
Present.

Rhode Island "Right To Know" List

PROPAN-2-OL
Present.

Minnesota "Right To Know" List

PROPAN-2-OL
Present.

New Jersey "Right To Know" List

PROPAN-2-OL
Present.

Pennsylvania "Right To Know" List

PROPAN-2-OL
Present.

Inventories

Canada - DSL/NDSL
Yes

US - TSCA
All the ingredients are listed.

16. Other information

Revision comments
NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date
8/5/2016

Revision
14

Supersedes date
7/18/2016

SDS No.
BULK - CH775_CH797_ IPA

SDS status
Approved.

Hazard statements in full
H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

NFPA - health hazard
Irritation, minor residual injury. (1)

NFPA - flammability hazard
Ignites easily. (3)
# CH775_CH797_ I.P.A. SOLVENT

<table>
<thead>
<tr>
<th>Property</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA - instability hazard</td>
<td>Normally stable. (0)</td>
</tr>
<tr>
<td>NFPA - special hazard</td>
<td>N/A</td>
</tr>
<tr>
<td>ACA HMIS Health rating</td>
<td>Slight Hazard. (1)</td>
</tr>
<tr>
<td>ACA HMIS Flammability rating</td>
<td>Ignites easily. (3)</td>
</tr>
<tr>
<td>ACA HMIS Physical hazard rating</td>
<td>Normally stable. (0)</td>
</tr>
<tr>
<td>ACA HMIS Personal protection rating</td>
<td>A</td>
</tr>
</tbody>
</table>

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.