SAFETY DATA SHEET
MLCW MULITASK SURFACE CLEANER MULTICLEAN

1. Identification

Product Identifier

Product name MLCW MULITASK SURFACE CLEANER MULTICLEAN
Product number MCC-MLCW,MCC-MLCWR,MCC-MLCW2,MCC-MLCWR2
Synonyms; trade names "MLCW - MultiClean Solvent Presaturated Wipes", MLCWR-Economy Wipes with MultiClean Solvent Presaturated Wipes, Refill, MultiClean Plus+

Recommended use of the chemical and restrictions on use

Application Cleaning agent.

Details of the supplier of the safety data sheet

Supplier MicroCare Corporation
Manufacturer MICROCARE CORPORATION
595 John Downey Drive
New Britain, CT 06051
United States of America
CAGE: OATV9
Tel: +1 860-827-0626
Fax: +1 860-827-8105
technicalsupport@microcare.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 - H335
Environmental hazards Not Classified

Physicochemical The product is highly flammable. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the floor and accumulate in the bottom of containers.

Label elements

Pictogram

Signal word Danger
MLCW MULITASK SURFACE CLEANER MULTICLEAN

Hazard statements

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapor/ spray.
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.
P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information

EUH210 Safety data sheet available on request.
RCH001a For use in industrial installations only.

Contains

PROPA-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>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPA-2-OL</td>
<td>60-100%</td>
</tr>
<tr>
<td>CAS number: 67-63-0</td>
<td></td>
</tr>
</tbody>
</table>

Classification

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.I. WATER</td>
<td>30-60%</td>
</tr>
<tr>
<td>CAS number: 7732-18-5</td>
<td></td>
</tr>
</tbody>
</table>

Classification

Not Classified

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition comments

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

4. First-aid measures

Description of first aid measures

General information

Move affected person to fresh air at once. 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.

Ingestion

Due to the physical nature of this material it is unlikely that swallowing will occur. 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.
MLCW MULITASK SURFACE CLEANER MULTICLEAN

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
Due to the physical nature of this material it is unlikely that swallowing will occur. 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
Considering the size of the packaging, the risk is regarded as minimal. The product is highly flammable. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

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
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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
MLCW MULITask SURFACE CLEANER MULTICLEAN

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 and material for containment and cleaning up

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 Do not eat, drink or smoke when using the product. 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.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat, sparks and open flame.

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

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

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

PROPAN-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.

Ingredient comments WEL = Workplace Exposure Limits

Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation. Avoid heat, flames and other sources of ignition.

WEL = Workplace Exposure Limits
MLCW MULTITASK SURFACE CLEANER MULTICLEAN

**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.

**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

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</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>Alcoholic.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH</td>
<td>No information available.</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>82°C/180°F @ 101.3 kPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>12°C/53°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>Lower flammable/explosive limit: 2.0 %(V) Upper flammable/explosive limit: 12.7 %(V)</td>
</tr>
<tr>
<td>Other flammability</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>5.2 kPa @ 20°C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>1.82</td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available.</td>
</tr>
</tbody>
</table>
# MLCW MULITASK SURFACE CLEANER  MULTICLEAN

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>There are no chemical groups present in the product that are associated with oxidizing properties.</td>
</tr>
<tr>
<td>Comments</td>
<td>Information given is applicable to the major ingredient.</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>Not applicable.</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>No information available.</td>
</tr>
<tr>
<td>Flammability</td>
<td>The product is flammable.</td>
</tr>
</tbody>
</table>

## 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>There are no known reactivity hazards associated with this product.</td>
</tr>
<tr>
<td>Stability</td>
<td>Stable at normal ambient temperatures.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Will not polymerize.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidizing agents. Strong alkalis. Strong mineral acids.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Strong oxidizing agents.</td>
</tr>
</tbody>
</table>

## 11. Toxicological Information

### Information on toxicological effects

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other health effects</td>
<td>There is no evidence that the product can cause cancer.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May cause respiratory system irritation. Vapors may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Not considered to be a significant hazard due to the small quantities used.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Product has a defatting effect on skin. May cause skin irritation/eczema.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>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.</td>
</tr>
<tr>
<td>Acute and chronic health hazards</td>
<td>Keep out of the reach of children.</td>
</tr>
</tbody>
</table>
# MLCW MULTITASK SURFACE CLEANER MULTICLEAN

## Toxicological information on ingredients.

### PROPAN-2-OL

<table>
<thead>
<tr>
<th>Acute toxicity - oral</th>
<th>( LD_{50} ) mg/kg</th>
<th>Species</th>
<th>( ATE ) oral (mg/kg)</th>
<th>( LD_{50} ) mg/kg</th>
<th>Species</th>
<th>( ATE ) dermal (mg/kg)</th>
<th>( LC_{50} ) vapours mg/l</th>
<th>Species</th>
<th>( ATE ) inhalation (vapours mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity oral</td>
<td>5,800.0</td>
<td>Rat</td>
<td>5,800.0</td>
<td>Acute toxicity dermal</td>
<td>13,000.0</td>
<td>Rabbit</td>
<td>13,000.0</td>
<td>Acute toxicity inhalation</td>
<td>16,000.0</td>
</tr>
<tr>
<td>Acute toxicity dermal</td>
<td>13,000.0</td>
<td></td>
<td></td>
<td>Acute toxicity inhalation (vapours mg/l)</td>
<td>16,000.0</td>
<td>Rat</td>
<td>16,000.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Carcinogenicity

- **IARC carcinogenicity**
  - IARC Group 3: Not classifiable as to its carcinogenicity to humans.
- **NTP carcinogenicity**: Not listed.
- **OSHA Carcinogenicity**: Not listed.

## 12. Ecological Information

### Ecotoxicity

There are no data on the ecotoxicity of this product.

### Toxicity

**Toxicity**: Not considered toxic to fish.

### Ecological information on ingredients.

#### PROPAN-2-OL

<table>
<thead>
<tr>
<th>Acute toxicity - fish</th>
<th>( LC_{96} ) 96 hours: 9,640 mg/l, Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>( EC_{50} ) 48 hours: 5102 mg/l, Daphnia magna</td>
</tr>
<tr>
<td>Acute toxicity - aquatic plants</td>
<td>( IC_{50} ) 72 hours: &gt;2,000 mg/l, Algae</td>
</tr>
</tbody>
</table>

### Persistence and degradability

- **Persistence and degradability**: The product contains only inorganic substances which are not biodegradable.

### Bioaccumulative potential

**Bio-Accumulative Potential**: No data available on bioaccumulation.
MLCW MULTITASK SURFACE CLEANER MULTICLEAN

Partition coefficient
No information available.

Mobility in soil
The product is soluble in water.

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

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
Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids. Waste packaging should be collected for reuse or recycling. Reuse or recycle products wherever possible.

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

14. Transport information

UN Number
UN No. (DOT) UN3175
UN No. (TDG) ID 8000
UN No. (IMDG) 3175
UN No. (ICAO) ID 8000

UN proper shipping name
Proper shipping name (DOT) Consumer Commodity ORM-D
Proper shipping name (TDG) Consumer Commodity ORM-D ID8000
Proper shipping name (IMDG) SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)

Proper shipping name (ICAO) Consumer Commodity ORM-D

Transport hazard class(es)
DOT hazard class 4.1
DOT hazard label Flammable Solid
TDG class 4.1
TDG label 4.1
IMDG Class 4.1 Limited Quantity
ICAO class/division ID 8000, Consumer Commodity, Class 9, LTD QTY
MLCW MULITASK SURFACE CLEANER  MULTICLEAN

Transport labels

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

Environmental hazards
Environmentally Hazardous Substance
No.

Special precautions for user
EmS  F-A, S-I

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

15. Regulatory information

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.

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)
PROPAN-2-OL
Present.

California Air Toxics "Hot Spots" (A-II)
Not listed.
MLCW MULITASK SURFACE CLEANER MULTICLEAN

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
Yes

16. Other information

<table>
<thead>
<tr>
<th>Revision comments</th>
<th>NOTE: Lines within the margin indicate significant changes from the previous revision.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>2/11/2016</td>
</tr>
<tr>
<td>Revision</td>
<td>20</td>
</tr>
<tr>
<td>Supersedes date</td>
<td>2/9/2016</td>
</tr>
<tr>
<td>SDS No.</td>
<td>PRESAT - MLC</td>
</tr>
<tr>
<td>SDS status</td>
<td>Approved.</td>
</tr>
<tr>
<td>Hazard statements in full</td>
<td>H225 Highly flammable liquid and vapor.</td>
</tr>
<tr>
<td></td>
<td>H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>H335 May cause respiratory irritation.</td>
</tr>
<tr>
<td></td>
<td>H336 May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>NFPA - health hazard</td>
<td>Irritation, minor residual injury. (1)</td>
</tr>
<tr>
<td>NFPA - flammability hazard</td>
<td>Ignites easily. (3)</td>
</tr>
</tbody>
</table>
**MLCW MULITASK SURFACE CLEANER  MULTICLEAN**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA - instability hazard</td>
<td>Unstable if heated. (1)</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>Unstable if heated. (1)</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.