



## MATERIAL SAFETY DATA SHEET MLCW MULTICLEAN WIPE

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME** MLCW MULTICLEAN WIPE  
**PRODUCT NO.** MCC-MLCW, MCC-MLCWR  
**PRODUCT USE** Cleaning agent.  
**SUPPLIER** MICROCARE CORPORATION  
595 John Downey Drive  
New Britain, CT 06051  
United States of America  
CAGE: OATV9  
+1 860-827-0626  
+1 860-827-8105  
techsupport@microcare.com  
**EMERGENCY TELEPHONE** CHEMTREC (800) 424-9300  
**IDENTIFICATION No.** UN3175

### 2 HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

FLAMMABLE. Colourless liquid. Odor of alcohol. Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil acne. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. Keep out of the reach of children.

#### PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable, and explosive vapors/air mixtures may be formed even at normal room temperatures. Vapors are heavier than air and may travel along the floor and in the bottom of containers.

#### POTENTIAL HEALTH EFFECTS

##### INHALATION

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

##### INGESTION

Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

##### 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.

##### HEALTH WARNINGS

Keep out of the reach of children.

##### CARCINOGENICITY

This substance has no evidence of carcinogenic properties.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %
D.I. WATER		7732-18-5	30%
PROPAN-2-OL	200-661-7	67-63-0	70%

#### COMPOSITION COMMENTS

The Data Shown is in accordance with the latest EC Directives.

### 4 FIRST-AID MEASURES

## MLCW MULTICLEAN WIPE

### GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

### NOTES TO THE PHYSICIAN

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

### INHALATION

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

### INGESTION

Due to the physical nature of this material it is unlikely that swallowing will occur. DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Do not give victim anything to drink if he is unconscious. Consult a physician for specific advice.

### SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

### SPECIAL FIRE FIGHTING PROCEDURES

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

### UNUSUAL FIRE & EXPLOSION HAZARDS

HIGHLY FLAMMABLE! Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

### SPECIFIC HAZARDS

Considering the size of the packaging, the risk is regarded as minimal.

### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**FLAMMABILITY LIMIT - LOWER(%)** 2.0

**FLAMMABILITY LIMIT - UPPER(%)** 12.7

**FLASH POINT (°C)** 12 C / 53 F TCC (Tag closed cup).

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing. Do not smoke, use open fire or other sources of ignition. Provide adequate ventilation.

### ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

### SPILL CLEAN UP METHODS

Warn everybody of potential hazards and evacuate if necessary. If leakage cannot be stopped, evacuate area. Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Dam and absorb spillages with sand, earth or other non-combustible material. Collect in containers and seal securely.

## 7 HANDLING AND STORAGE

### HANDLING

Do not eat, drink or smoke when using the product. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level.

### STORAGE

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

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

## MLCW MULTICLEAN WIPE

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

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

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

### HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact. Gloves of nitrile rubber, PVA or Viton are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

### EYE PROTECTION

Use eye protection. Wear approved, tight fitting safety glasses where splashing is probable.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash 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.

### SKIN PROTECTION

Not relevant considering the small amounts used.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid.
COLOR	Colourless.
ODOR	Odor of alcohol.
PHYSICAL DATA COMMENTS	Information given concerns the major ingredient.
VOLATILITY DESCRIPTION	Volatile
SOLUBILITY	Soluble in water.
Flammability	FLAMMABLE.
BOILING POINT (°C)	15 C / 180 F
VAPOR DENSITY (air=1)	1.82
VAPOR PRESSURE	39 mm Hg 20
VOLATILE BY VOL. (%)	100
FLASH POINT (°C)	12 C / 53 F TCC (Tag closed cup).

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

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

### HAZARDOUS POLYMERISATION

Will not polymerise.

### MATERIALS TO AVOID

Strong oxidizing substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapors/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 11 TOXICOLOGICAL INFORMATION

## MLCW MULTICLEAN WIPE

<b>Name</b>	PROPAN-2-OL
<b>Toxic Dose 1 - LD 50</b>	5045 mg/kg (oral rat)
<b>Toxic Dose 2 - LD 50</b>	3600 mg/kg (oral-mouse)
<b>Toxic Conc. - LC 50</b>	16,000 ppm/1h (inh-rat)
<b>Name</b>	D.I. WATER

### 12 ECOLOGICAL INFORMATION

#### MOBILITY

The product is soluble in water.

<b>Name</b>	PROPAN-2-OL
<b>LC 50, 96 Hrs, Fish mg/l</b>	9,640
<b>EC 50, 48 Hrs, Daphnia, mg/l</b>	5102
<b>IC 50, 72 Hrs, Algae, mg/l</b>	>2,000
<b>Name</b>	D.I. WATER

### 13 DISPOSAL CONSIDERATIONS

#### WASTE MANAGEMENT

Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. Recover and reclaim or recycle, if practical.

#### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION



<b>DOT PROPER SHIPPING NAME</b>	SOLIDS CONTAINING A FLAMMABLE LIQUID N.O.S. (ISOPROPANOL)
<b>DOT PROPER SHIPPING NAME</b>	Consumer Commodity ORM-D
<b>TDG SHIPPING NAME</b>	SOLIDS CONTAINING A FLAMMABLE LIQUID N.O.S. (ISOPROPANOL)
<b>IDENTIFICATION No.</b>	UN3175
<b>DOT HAZARD CLASS</b>	4.1
<b>DOT PACKING GROUP</b>	II
<b>U.S DOT HAZARD LABEL</b>	Flammable Solid
<b>UN NO. AIR</b>	UN3175
<b>AIR CLASS</b>	4.1
<b>AIR PACK GR.</b>	II
<b>TDG PACKING GROUP</b>	II

### 15 REGULATORY INFORMATION

#### INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
PROPAN-2-OL	DSL	Yes.						
D.I. WATER	DSL	Yes.						

COMPONENT	TSCA 12(b) Export Notification
D.I. WATER	No.

## MLCW MULTICLEAN WIPE

### US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
D.I. WATER	Not Listed	Not Listed	N/A.

### CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
D.I. WATER	Not Listed

### US STATE REGULATIONS

COMPONENT	FDA ESSENTIAL CHEMICAL	FDA PRECURSOR
D.I. WATER	No.	

### SARA (311/312) HAZARD CATEGORIES

Acute Chronic Fire

### REGULATORY STATUS (US)

TSCA: The ingredients of this product are on the TSCA Inventory. SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. This Product is Hazardous under the OSHA Hazard Communication Standard.

### REGULATORY REFERENCES

29 CFR 1910.1010 Federal Regulations (OSHA Standard).

## WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHMIS

### LABEL(S) FOR SUPPLY



Materials Causing Other  
Toxic Effects.



Flammable Liquid.

### CONTROLLED PRODUCT CLASSIFICATION

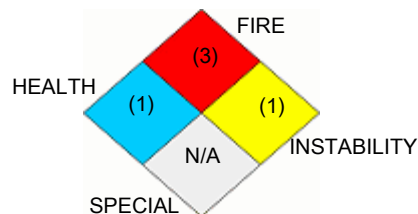
Canadian WHMIS Classification B2 D2 WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

### 16 OTHER INFORMATION

### HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	1
FLAMMABILITY	3
PHYSICAL	1
PERSONAL PROTECTION	upervisor

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



### REVISION COMMENTS

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

REVISION DATE 01/02/2010

VERSION No. 2

## MLCW MULTICLEAN WIPE

### SAFETY DATA SHEET STATUS

Approved.

**DATE**

June 2, 2009

### DISCLAIMER

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 o