



SAFETY DATA SHEET MLCW MULTICLEAN WIPE

According to Regulation (EC) No 1907/2006

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

| | | | |
|---------------------|------------------------------|---------------------|------------------------------|
| PRODUCT NAME | MLCW MULTICLEAN WIPE | | |
| PRODUCT NO. | MCC-MLCW, MCC-MLCWR | | |
| SUPPLIER | MICROCARE EUROPE BVBA | MANUFACTURER | MICROCARE CORPORATION |
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2 HAZARDS IDENTIFICATION

Vapours may cause drowsiness and dizziness. Irritating to eyes.

CLASSIFICATION Xi;R36. R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|-------------|-----------|---------|---------|------------------|
| PROPAN-2-OL | 200-661-7 | 67-63-0 | 60-100% | F;R11 Xi;R36 R67 |

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

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

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

DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Do not give victim anything to drink if they are 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 vapours.

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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.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

Wear necessary protective equipment. If leakage cannot be stopped, evacuate area. 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

USAGE PRECAUTIONS

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 vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

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

| Name | Std | TWA - 8 hrs | | STEL - 15 min | | Notes |
|-------------|-----|-------------|-----------|---------------|------------|-------|
| PROPAN-2-OL | WEL | 400 ppm | 999 mg/m3 | 500 ppm | 1250 mg/m3 | |

WEL = Workplace Exposure Limit.

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 Workplace Exposure Limit.

HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact. Gloves of nitrile rubber, PVA or Viton are recommended.

EYE PROTECTION

Use eye protection. Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

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

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SKIN PROTECTION

Not relevant considering the small amounts used.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|--|-------------------------------|------|
| APPEARANCE | Clear liquid | | |
| COLOUR | Colourless | | |
| ODOUR | Odour 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 | VAPOUR DENSITY (air=1) | 1.82 |
| VAPOUR PRESSURE | 39 mm Hg 20 | VOLATILE BY VOL. (%) | 100 |
| FLASH POINT (°C) | 12 C / 53 F TCC (Tag closed cup). | FLAMMABILITY LIMIT - LOWER(%) | 2.0 |
| FLAMMABILITY LIMIT - UPPER(%) | 12.7 | | |

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 oxidising agents. Strong alkalis. Strong mineral acids.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

INHALATION

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

SKIN CONTACT

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

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

Keep out of reach of children.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

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

12 ECOLOGICAL INFORMATION

MLCW MULTICLEAN WIPE

| | |
|------------------------------|-------------|
| Name | PROPAN-2-OL |
| LC 50, 96 Hrs, FISH mg/l | 9,640 |
| EC 50, 48 Hrs, DAPHNIA, mg/l | 5102 |
| IC 50, 72 Hrs, ALGAE, mg/l | >2,000 |
| Name | D.I. WATER |

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

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



| | | | |
|----------------------|---|------------------|--------|
| UK ROAD CLASS | 4.1 | | |
| PROPER SHIPPING NAME | SOLIDS CONTAINING A FLAMMABLE LIQUID N.O.S. (ISOPROPANOL) | | |
| UN NO. ROAD | UN3175 | UK ROAD PACK GR. | II |
| ADR PACK GROUP | II | UN NO. AIR | UN3175 |
| AIR CLASS | 4.1 | AIR PACK GR. | II |

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

| | |
|-----|---|
| R36 | Irritating to eyes. |
| R67 | Vapours may cause drowsiness and dizziness. |

SAFETY PHRASES

| | |
|-----|---|
| S25 | Avoid contact with eyes. |
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S60 | This material and its container must be disposed of as hazardous waste. |

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

16 OTHER INFORMATION

REVISION COMMENTS

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

REVISION DATE 03/06/2009

MLCW MULTICLEAN WIPE

REV. NO./REPL. SDS 1
GENERATED
SAFETY DATA SHEET STATUS

Approved.

DATE June 2, 2009

RISK PHRASES IN FULL

R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

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 own particular use.