

# SAFETY DATA SHEET

## MANNOL Universal Technical Cleaner



Prepared according to Commission Regulation (EC) No. 453/2010

1. SECTION	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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**1.1 Product identifier:** MANNOL UNIVERSAL TECHNICAL CLEANER

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Foam rich detergent for technical rooms floor and wall washing.

**1.3 Details of the supplier of the safety data sheet:** UAB "SCT Lubricants"

Adress: Šilutės pl. 119, 5800 Klaipėda, Lithuania

Telephone: +370 46 340345

E-mail: klaipeda@sct.lt

Fax: (37046) 341891

**1.4 Emergency telephone number:** Adress: Šiltnamiu 29, LT-2043 Vilnius, telephone+370 5236 20 52 or +370 687 53378 (day and night)

2. SECTION	HAZARD IDENTIFICATION
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**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) 1272/2008

Harmful if swallowed - H302; Irritating to skin and eyes - H315; H319

For the classifications not written out in full in this section the full text can be found in section 16

**2.2 Label elements**

**Labeling according to Regulation (EC) 1272/2008**



**Signal word** Warning

**Hazard statements**

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation.

**Precautionary statements**

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local regulations

Hazard determining component(s) for labelling:

Supplemental label information

None

**2.3 Other hazards**

Non-flammable and non-explosive-aqueous solution. Evaporation intensifying warming, especially higher than 100 ° C. Can catch fire only above 100°C temperature after evaporation of water.

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The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

### 3. SECTION COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance

Not applicable

#### 3.2 Mixtures

Hazardous ingredients:

EB Nr.	CAS Nr.	Reach No.	Name	Content %	Classification according to Regulation (EC) 1272/2008 (CLP)
-	68439-46-3	01-2119980051-45-xxxx	C9-C11 Alkohol ethoxylate	3,0-6,0	Acute Tox. 4; H315; H318; H401
-	863679-20-3	-	Quaternary coco alkyl methyl amine ethoxylate methyl chloride	2,0-2,5	Acute Tox. 4; H302; H315; H318; H401
230-785-7	7320-34-5	01-2119489369-18-xxxx	Tetrapotassium pyrophosphate	5,0-10,0	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
229-912-9	10213-79-3	01-2119449811-37-xxxx	Sodium silicate pentahidrate	1,0-3,0	Met. Corr. 1; Skin Corr. 1B; STOT SE 3; H290, H314, H335
232-433-8	8028-48-6	01-2119493353-35-xxxx	Orange oil	<0,01	Flam. Liq. 3; Skin Irrit. 2; H226, H315
250-816-8	31807-55-3	-	Isododecane $C_{12}H_{26}$	<0,01	Flam. Liq. 3; Asp. Tox. 1; H226, H304
200-578-6	64-17-5	01-2119457610-43-xxxx	Ethanol	<1,0	Flam. Liq. 2; H225

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

### 4. SECTION FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### Inhalation

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

##### Skin contact

Wash the skin with soap and water. Remove contaminated clothing as soon as possible. Seek medical advice if symptoms persist.

##### Eye contact

Remove contact lenses.

Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.

##### Ingestion

Rinse mouth with water. If swallowed, do not induce vomiting. Give a glass of water. Seek immediate medical assistance.

#### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11

#### 4.3 Indication of any immediate medical attention and special treatment needed

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Note to physician: treat symptomatically

### **5. SECTION FIRE-FIGHTING MEASURES**

#### **5.1 Extinguishing media**

Foam, powder, carbon dioxide, water.

#### **5.2 Special hazard arising from the substance or mixture**

See section 10 for additional information.

#### **5.3 Advice for firefighters**

Recommend wearing self-contained breathing apparatus.

### **6. SECTION ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area.

#### **6.2 Environmental precautions**

Prevent entry into sewers and waterways.

#### **6.3 Methods and material for containment and cleaning up**

Stop leak if possible without risk

Remove sources of ignition

Absorb in vermiculite, dry sand or earth and place into containers.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations

#### **6.4 Reference to other section**

See sections 8 and 13 for additional information.

### **7. SECTION HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

Use according to label intended purpose. Avoid contact with skin and eyes. Before use, dilute with water shampoo label specified proportions. Car washing is recommended to wear gloves. Wash hands after work.

#### **7.2 Conditions for safe storage, including any incompatibilities**

Store in the original package. The package must be sealed. Protect against freezing. Keep away from food, drink and animal feed. Requirements for packaging-plastic, or glass containers tightly closed.

Unsuitable (incompatible) storage facility: No

#### **7.3 Specific end use(s)**

See section 1.2.

### **8. SECTION EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **8.1 Control parameters**

**Exposure to the substance at the workplace: HN 23: 2011 data for the following components**

Ethanol CAS No. 64-17-5

Hazardous concentrations of long-term and short-term exposure limit values at the workplace according to HN 23-2011 are as follows:

Long-term exposure limit TWA = 1,000 mg / m<sup>3</sup> TWA = or 500 ppm;

Short-term exposure limit STEL = 1900 mg / m<sup>3</sup> TWA = or 1000 ppm.

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Other components of the limit value at the workplace have not been established

### 8.2 Exposure controls

Ensure a high level of personal hygiene. Ensure good ventilation. Do not wear cloths that are contaminated with product. If there is a risk of direct contact or splashes, wear face visor or goggles, impervious gloves and protective clothing.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Solvent resistant protective gloves.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection: Normally not necessary.

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## 9. SECTION | PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour	Yellowish
Odour	Lemon
Odour threshold	Not determined
pH value diluted solution (conc 1%)	9-11
Pour point	-5 °C
Initial boiling point and boiling range	Not determined
Flash point, open cup (ASTM D-92)	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Lower explosive limit	Not determined
Upper explosive limit	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	1,00-1,08 g/ml (20°C)
Bulk density:	Not determined

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Solubility(ies):	Not determined
Water solubility:	Completely Soluble
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity (at 100°C)	Not determined
Explosive properties:	Not determined When using product is not explosive.

### 9.2 Other information

Miscibility	Not determined
Fat solubility / solvent	Not determined
Conductivity	Not determined
Surface tension	Not determined
Solvents content	Not determined

## 10. SECTION STABILITY AND REACTIVITY

### 10.1 Reactivity

See also Subsection 10.2 to 10.6. The product has not been tested.

### 10.2 Chemical stability

Material is normally stable at moderately elevated temperatures and pressures.

### 10.3 Possibility of hazardous reactions

Will not occur.

### 10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

### 10.5 Incompatible materials

See also section 7.

Avoid contact with strong acids

### 10.6 Hazardous decomposition products

## 11. SECTION TOXICOLOGICAL INFORMATION

Acute toxicity: Ingestion, LD50 (rat) = not available;

Dermal LD 50 (rabbit) = not available;

Inhalation LC50 (Rabbit) = not available

Precise data are not available. The detergent contains no components classified according to the acute toxicity test.

Skin corrosion / irritation

It does not contain components classified as corrosive or irritant to the skin.

Serious eye damage / irritation

The calculation method according to the established limit concentrations of components classified as irritant-caused serious eye irritation.

Respiratory or skin irritation

It does not contain allergenic ingredients

Germ cell mutagenicity, kanceroganiškumas

Based on the available data components do not meet the criteria for classification.

Reproductive toxicity

The product does not meet the classification criteria.

Station: does not contain components that can damage the target organ.

Aspiration hazard: Not applicable

Information on likely routes of exposure, the physical, chemical and toxicological characteristics related

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symptoms:

Skin contact:

Removes the skin's natural fat-layer dries the skin, it can become red, can cause dermatitis.

Inhalation

It contains the components a little volatile, evaporation intensifies heating. Gases and aerosols can cause throat and throat irritation, itching.

Eye Contact

Strong eye irritation, redness of the eyes, the Persians, possible vision problems, and can cause permanent eye damage.

Ingestion

Possible abdominal pain, nausea, vomiting, difficulty in swallowing, dizziness

Delayed and immediate and chronic effects from short and long-term exposure (mixture)

Additional data.

OTHER INFORMATION

No other health hazards known.

### 12. SECTION ECOLOGICAL INFORMATION

Possibly more information on environmental effects, see Section 2.1 (classification).

#### 12.1 Toxicity

Toxicity to fish

No information available.

Toxicity to daphnia

No information available.

Toxicity to algae

No information available.

Bacterias

No information available.

#### 12.2 Persistence and degradability

Soluble in water, The product complies with the degree on surfactant biodegradability of the European Community (73/404/EEG; 73/405/EEG)

#### 12.3 Biocumulative potencial

No information available

#### 12.4 Mobility in soil

No information available

#### 12.5 Results of PBT and vPvB assessment

No information available

#### 12.6 Other adverse effects

None known

### 13. SECTION DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

For the substance/ mixture/residual amounts

It is forbidden to pour waste into the sewage system, water bodies, the soil. Waste code: 07 06 01- "aqueous washing liquids and mother liquors" Hazardous determining the properties of code: H4-irritant. Large quantities of waste to be disposed of as Hazardous waste. Product waste is managed in accordance with the Waste Management Regulations and municipal requirements. Empty containers can be reused or recycled.

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### 14. SECTION TRANSPORT INFORMATION (RID/ADR)

#### 14.1 UN number

ADR/RID Not regulated  
ICAO Not regulated  
IMDG Not regulated

#### 14.2 Proper Shipping Name

ADR/RID not regulated  
ICAO not regulated  
IMDG not regulated

#### 14.3 Hazard Class

ADR/RID not regulated  
ICAO not regulated  
IMDG not regulated

#### 14.4 Packing Group

ADR/RID not regulated  
ICAO not regulated  
IMDG not regulated

#### 14.5 Environmental hazard

ADR/RID not regulated  
ICAO not regulated  
IMDG not regulated

#### 14.6 Special precautions for user

Review classification requirements before shipping materials at elevated temperatures.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not determined

### 15. SECTION REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UK Regulatory References

Health and safety at work Act. 1974

The Control of substances hazardous to health regulations 2002(S.I 2002 No.3677) with amendment  
EU Legislation

Dangerous substance Directive 67/548/EEC

Dangerous preparations Directive 1999/45/EC

Regulation (EC) No1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals(REACH), establishing a European Chemicals Agency, amending Directive1999/45/EC and repealing Council Regulation (EEc) No 793/93 and Commission Regulation (EC) No 1488/94 as well as council Directive 76/769/EEc and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures , amending and repealing Derectives 67/548/EEC and 1999/45/EC, and amending Regulation(EC) No 1907/2006 with amendments.

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### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out

## 16. SECTION OTHER INFORMATION

The following phrases represent the posted H phrases, Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H225 - Highly flammable liquid and vapour;  
H226 - Flammable liquid and vapour;  
H302 - Harmful if swallowed;  
H313 - May be harmful in contact with skin;  
H315 - Causes skin irritation;  
H318 - Causes serious eye damage;  
H319 - Causes serious eye irritation;  
H335 - May cause respiratory irritation;  
H314 - Causes severe skin burns and eye damage

P102 Keep out of reach of children;  
P280 Wear protective gloves/protective clothing/eye protection/face protection;  
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting;  
P302+P352 IF ON SKIN: Wash with plenty of water;  
P332+P313 If skin irritation occurs: Get medical advice/attention;  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing;  
P501 Dispose of contents/container in accordance with local regulations;

Repr.1B-toxicity to reproduction Category 1B

Ox.liq.-oxidizing solution

Acute Tox.4- acute toxicity, category 4

Skin Corr.- skin irritation, Category 1A

Eye Irrit. 2 eye irritation Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level AOX Adsorbable organic halogen compounds approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)

BMGV Biological monitoring guidance value (EH40, UK) BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques



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CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America) ERC Environmental Release Categories

ES Exposure scenario etc. et cetera

EU European Union

EWC European Waste Catalogue Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane HGWP Halocarbon Global Warming Potential

IARC International Agency for Research on Cancer IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code) IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods incl. including, inclusive

IUCLID International Uniform Chemical Information Database LC lethal concentration

LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration LD Lethal Dose of a chemical

LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low

LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable n.av. not available

n.c. not checked

n.d.a. no data available

NIOSH National Institute of Occupational Safety and Health (United States of America) NOAEC No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level NOEC No Observed Effect Concentration NOEL No Observed Effect Level

ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development org. organic

PAH polycyclic aromatic hydrocarbon PBT persistent, bioaccumulative and toxic PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential ppm parts per million

PROC Process category PTFE Polytetrafluorethylene

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REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SADT Self-Accelerating Decomposition Temperature SAR Structure Activity Relationship

SU Sector of use

SVHC Substances of Very High Concern Tel. Telephone

ThOD Theoretical oxygen demand TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances) UN RTDG

United Nations Recommendations on the Transport of Dangerous Goods

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization wwt wet weight

Information Sources: The Classification and Labeling of Petroleum Substances to the EU Dangerous Substance Directive. Information from raw material suppliers.

Disclaimer: This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of product. Receiver of our product is responsible for that applicable laws and regulations are being followed.