

SAFETY DATA SHEET

MANNOL Car Wash Shampoo



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

| 1. SECTION | IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING |
|------------|--|
|------------|--|

1.1 Product identifier: MANNOL CAR WASH SHAMPOO

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

Foam rich detergent with citreous aroma for car bodies 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 8-5236 20 52 or +370 687 53378 (day and night)

| 2. SECTION | HAZARD IDENTIFICATION |
|------------|-----------------------|
|------------|-----------------------|

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; H320

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008



Signal word Irritant

Hazard statements

H302: Harmful if swallowed

H315: Causes skin irritation

H320: Causes 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

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.

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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 Alcohol ethoxylate | 3,0-4,0 | Acute Tox. 5; H313; 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 | H315. H319. H335 |
| 229-912-9 | 10213-79-3 | 01-2119449811-37-xxxx | Sodium silicate pentahidrate | 1,0-3,0 | H290; H314. H335 |
| 232-433-8 | 8028-48-6 | 01-2119493353-35-xxxx | Orange oil | <0,01 | H226. H315 |
| 250-816-8 | 31807-55-3 | - | Isododecane | <0,01 | H226. H304 |
| 200-578-6 | 64-17-5 | 01-2119457610-43-xxxx | Ethanol | <1,0 | H225 |

For the text of 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

Note to physician: treat symptomatically

5. SECTION FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Foam, powder, carbon dioxide, water.

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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

Keep containers closed when not in use. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Maximum Handling Temperature

70 °C, 158 °F

Maximum pumping temperature

Ambient

Maximum loading temperature

Not determined

7.2 Conditions for safe storage, including any incompatibilities

See section 10 for incompatible materials.

Maximum Storage Temperature

Not determined.

Max. Storage temperature

45 °C, 113 °F

7.3 Specific end use(s)

See section 1.2.

8. SECTION EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No information available at present.

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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%) | 9-10 |
| 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: | 1,03-1,08 g/ml (15°C) |
| Bulk density: | Not determined |
| Solubility(ies): | Not determined |
| Water solubility: | Completely Soluble |

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| | |
|---|--------------------------------------|
| 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

No typically hazardous decomposition products known.

Health effects:

| | |
|--------------------|--|
| Respiratory | Not likely to occur |
| Skin | Irritating. May cause transient redness and pain. |
| Eyes | Severely irritating. Risk of serious damage to eye. |
| Ingestion | Low acute toxicity. May cause irritation to mucous membranes in mouth, throat, stomach and intestinal canal. |

| | |
|---------------------------|--|
| Toxicological data | Acute toxicity. Oral Rat > 2000 mg/kg |
| Irritation | Eye irritation test (rabbit): severely irritating. |
| Sensitization | (Magnusson-Kligma): Not sensitizing |
| Genotoxicity | Ames' test: Not mutagenic |

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.

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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. SKIRSNIS | DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

For the substance/ mixture/residual amounts

Recover and reclaim or recycle, if practical. Do not allow runoff to sewer, waterway or ground. Confirm disposal procedures with enviromental engineer and local regulations.

Contaminated packaging: Drums that are to be recycled must be thoroughly evacuated. Turn emty drum up side down, somewhat leaning (ca 10) with opening in lowest position. Let remaining products run out until drum is drip-free. Do not reseal without ventilating at a place free from ignition sourses. See section 7 for further instructions.

Always check the given waste codes according to the actual conditions of manufacturing, formulation or use in your facilities.

For contaminated packing material

Pay attention to local and national official regulations Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

15 01 04 metallic packaging

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

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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. SKIRSNIS 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.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

16. SECTION OTHER INFORMATION

The following phrases represent the posted R phrases / 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;

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H320 - Causes eye irritation;
H335 - May cause respiratory irritation;
H401 - Toxic to aquatic life;

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;

Asp. Tox. — Aspiration hazard
STOT SE — Specific target organ toxicity - single exposure - narcotic effects
Aquatic Chronic — Hazardous to the aquatic environment - chronic
Eye Dam.-serious eye damage
Skin Irrit.-Skin Irritation
Aquatic Acute- Hazardous to the aquatic environment-acute

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

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

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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
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

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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.