



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : VALMA WHEEL CLEAN
Product code : A11

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

Application : Consumer product (SU21). Cleaning agent (PC35). Car maintenance.

1.3. Details of the supplier of the safety data sheet

Supplier : Turtle Wax Benelux B.V.
Wageningselaan 6
3903 LA Veenendaal, The Netherlands
Telephone : +31 318 54 65 65
Fax : +31 318 54 65 75
E-mail : msds@turtlewax.ltd.uk
Website : www.valma.eu

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

NL - Telephone : +31 318 54 65 65 (During office hours only)

EMERGENCY TELEPHONE NUMBER (in the UK and Ireland for healthcare professionals only):

National Poisons Information Service +44-844 892 0111 (24/7)

SECTION 2 HAZARDS IDENTIFICATION

*

2.1. Classification of the substance or mixture

CLP classification : Flammable liquid, hazard category 3. Skin irritation, category 2. Eye irritation, category 2.
(1272/2008/EC)

Human health hazards : Causes skin irritation. Causes serious eye irritation.

Physical/chemical hazards : Flammable.

Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

Other information : Keep out of the reach of children. If swallowed, seek medical advice immediately and show this container or label. Do not breathe spray. Use only in well-ventilated areas.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Warning

H- and P-phrases : H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P370+P378 alc	In case of fire: Use carbondioxide (CO ₂), alcohol resistant foam, dry chemical or water fog to extinguish.
P280 hands eyes	Wear protective gloves and eye 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.
P501	Dispose of contents/container to an approved waste disposal plant.

Additional labelling

: 5 % of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

*

3.2. Mixtures

Product description : Mixture.

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	REACH nr.	OEL
Propan-2-ol Flam. Liq. 2; Eye Irrit. 2; STOT SE 3 H225; H319; H336	5 - 10	67-63-0	200-661-7	01-2119457558-25	#
2-Butoxyethanol Acute Tox. 4; Eye Irrit. 2; Skin Irrit. 2 H332; H312; H302; H319; H315	5 - 10	111-76-2	203-905-0	01-2119475108-36	#
Alcohols, C12-14, ethoxylated, sulfates, sodium salts Eye Dam. 1; Skin Irrit. 2 H315; H318	1 - 5	68891-38-3	500-234-8	01-2119488639-16	
Oleic acid, compound with 2,2',2"-nitrilotriethanol (1:1) Skin Irrit. 2; Eye Irrit. 2 H315; H319	1 - 5	2717-15-9	220-311-7		
Sodium hydroxide Skin Corr. 1A; Met. Corr. 1 H314; H290	0,1 - 1%	1310-73-2	215-185-5	01-2119457892-27	#

Reference is made to chapter 16 for full text of each relevant H phrase. Substance(s) with an Occupational Exposure Limit are marked with #. Occupational exposure limit(s) are listed in section 8.

SECTION 4 FIRST AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water before product dries up.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor.
- Ingestion : Do not induce vomiting. Do not rinse the mouth. Give one glass of water. Give condensed milk or a knob of butter. Never give anything by mouth to an unconscious person. Consult a doctor immediately.

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

Effects and symptoms



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

- Inhalation : May cause headache, dizziness and a feeling of sickness. May cause irritation to respiratory airways and coughing.
- Skin contact : Irritant. May cause dry skin and redness.
- Eye contact : Irritant. May cause redness and pain.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

SECTION 5 FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO₂). Alcohol resistant foam. Dry chemical. Water fog.
- Not suitable : Water jet.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known.
- Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see section 8. For guidance on disposal of spilled material see section 13. Keep away from sources of ignition — No smoking. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

6.2. Environmental precautions

- Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. Large spills: contain with dike.
- Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

- Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Do not breathe spray. Do not breathe vapour. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents. Protect from sunlight.



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

Recommended packaging : Keep only in the original container.
 Non recommended packaging : Steel (except stainless steel).

7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Occupational exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments
Propan-2-ol	GB	999	1250	-
2-Butoxyethanol	GB	123	246	Skin; BMGV
2-Butoxyethanol	EC	100	246	Skin
Sodium hydroxide	GB	-	2	-

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Propan-2-ol	Dermal				888 mg/kg bw/day
2-Butoxyethanol	Inhalation				500 mg/m ³
	Dermal		89 mg/kg bw		75 mg/kg bw/day
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Inhalation	246 mg/m ³	663 mg/m ³		98 mg/m ³
	Dermal				2750 mg/kg bw/day
Sodium hydroxide	Inhalation				175 mg/m ³
	Inhalation			1 mg/m ³	
2,2',2''-Nitrilotriethanol	Dermal				6,3 mg/kg bw/day
	Inhalation			5 mg/m ³	5 mg/m ³
Diethanolamine	Dermal				0,13 mg/kg bw/day
	Inhalation			1 mg/m ³	

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Propan-2-ol	Dermal				319 mg/kg bw/day
	Inhalation				89 mg/m ³
2-Butoxyethanol	Oral				26 mg/kg bw/day
	Dermal		44,5 mg/kg bw		38 mg/kg bw/day
	Inhalation		426 mg/m ³		49 mg/m ³
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Oral		123 mg/kg bw		3,2 mg/kg bw/day
	Dermal				1650 mg/kg bw/day
	Inhalation				52 mg/m ³
Sodium hydroxide	Oral				15 mg/kg bw/day
	Inhalation			1 mg/m ³	
2,2',2''-Nitrilotriethanol	Dermal				3,1 mg/kg bw/day
	Inhalation			1,25 mg/m ³	1,25 mg/m ³



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

Diethanolamine	Oral				13 mg/kg bw/day
	Dermal				0,07 mg/kg bw/day
	Inhalation			0,25 mg/m ³	
	Oral				0,06 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
Propan-2-ol	Water	140,9 mg/l	140,9 mg/l	
	Sediment	552 mg/kg	552 mg/kg	
	Intermittent water			140,9 mg/l
	STP			2251 mg/l
	Soil			28 mg/kg
2-Butoxyethanol	Oral			160 mg/kg food
	Water	8,8 mg/l	0,88 mg/l	
	Sediment	34,6 mg/kg	3,46 mg/kg	
	Intermittent water			9,1 mg/l
	STP			463 mg/l
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Soil			3,13 mg/kg
	Oral			0,02 mg/kg food
	Water	0,24 mg/l	0,024 mg/l	
	Sediment	5,45 mg/kg	0,545 mg/kg	
	Intermittent water			0,071 mg/l
2,2',2''-Nitrilotriethanol	STP			10000 mg/l
	Soil			0,946 mg/kg
	Water	0,32 mg/l	0,032 mg/l	
	Sediment	1,7 mg/kg	0,17 mg/kg	
	Intermittent water			5,12 mg/l
Diethanolamine	STP			10 mg/l
	Soil			0,151 mg/kg
	Water	0,0022 mg/l	0,00022 mg/l	
	Sediment	0,019 mg/kg	0,0019 mg/kg	
	Intermittent water			0,022 mg/l
	STP			100 mg/l
	Soil			0,00108 mg/kg

8.2. Exposure controls

- Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.
 Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

- Body protection : Use of specific protective industrial clothing is not required under normal conditions of use.
 Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.
 Hand protection : Under normal conditions of use specific gloves are not required. Wear appropriate gloves in case of frequent or prolonged use and in case of large scale exposure. Suitable material: neoprene. ± 0,5 mm Indication of permeation breakthrough time: 6 hours.
 Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

Appearance	: Liquid.	
Colour	: Green.	
Odour	: Perfumed.	
Odour threshold	: Not known.	
pH	: 11,4	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	
Flash point	: 36 °C	(PMcc)
Auto ignition temperature	: > 180 °C	
Boiling point/boiling range	: 82 °C	
Melting point/melting range	: 0 °C	
Explosion limits (in air)	: Not known.	Lower explosion limit in air (%): 2 (Propan-2-ol) Upper explosion limit in air (%): 12
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not known.	(1 mm ² /sec = 1cSt)
Viscosity (40°C)	: 40 mm ² /sec	
Vapour pressure (20°C)	: Not known.	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 1 g/ml	
Evaporation rate	: < 1	(n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 5 %. ATE: > 5 mg/l. May cause headache, dizziness and a feeling of sickness.

Corrosion/irritation : May cause irritation to respiratory airways and coughing.

Sensitisation : Does not contain respiratory sensitisers. Not classified - based on available data, the classification criteria are not met.



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Skin contact
- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Irritant. May cause redness. Prolonged contact may dry out and defat the skin.
- Sensitisation : Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Eye contact
- Corrosion/irritation : Irritant.
- Ingestion
- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Propan-2-ol	LD50 (oral)	4396 mg/kg bw	-----	Rat
	LD50 (dermal)	12800 mg/kg bw	-----	Rat
	LC50 (inhalation)	46600 mg/m3	-----	Rat
	Skin irritation	Slightly irritant	OECD 404	Rabbit
	Eye irritation	Irritant	OECD 405	Rabbit
	NOAEL (fertility, oral)	407 mg/kg bw/d		Rat
	NOAEL (development, oral)	400 mg/kg bw/d		Rat
	NOEL (carcinogenicity, oral)	Not carcinogenic	OECD 416	Rat
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	Mutagenicity	Negative	OECD 471	
	NOAEL (inhalation)	12500 mg/m3	OECD 451	Rat
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	NOEL (carcinogenicity, inh.)	12500 mg/m3		Mouse
	Genotoxicity - in vitro	Not genotoxic	OECD 476	
	NOAEL (oral)	870 mg/kg bw/d	-----	Rat
2-Butoxyethanol	LD50 (oral)	1746 mg/kg bw	OECD 401	Rat
	NOEL (carcinogenicity, oral)	Not carcinogenic		
	Genotoxicity - in vitro	Not genotoxic		
	NOAEL (fertility, oral)	720 mg/kg bw/d		
	NOAEL (inhalation)	152 mg/m3	OECD 413	Rat
	LD50 (dermal)	435 mg/kg bw	OECD 402	Rabbit
	LC50 (inhalation)	2200 mg/m3	OECD 403	Rat
	Eye irritation	Irritant	OECD 405	Rabbit
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	NOAEL (oral)	< 69	OECD 408	Rat
	Skin irritation	Irritant	OECD 404	Rabbit



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	NOAEL (development, oral)	> 100 mg/kg bw/d	OECD 414	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vivo	Not genotoxic	OECD 474	Mouse
	NOAEL (dermal)	> 150 mg/kg bw/d	OECD 411	Rabbit
	Mutagenicity	Negative	OECD 471	
	Eye irritation	Irritant	OECD 405	Rabbit
	NOAEL (development, oral)	> 1000 mg/kg bw/d	OECD 414	Rat
	NOAEL (fertility, oral)	> 300 mg/kg bw/d	OECD 416	Rat
	NOEL (carcinogenicity) - estimate	> 75 mg/kg.d	Read across	Rat
	LD50 (oral)	4100 mg/kg bw	OECD 401	Rat
	Skin irritation	Irritant	OECD 404	Rabbit
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	Genotoxicity - in vivo	Negative	OECD 475	Mouse
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	NOAEL (oral)	> 225 mg/kg bw/d	OECD 408	Rat
Genotoxicity - in vitro	Not genotoxic	OECD 476		

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 343 mg/l. Calculated EC50 (waterflea): 353 mg/l. Contains 3 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential : Contains bioaccumulating substances.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

12.6. Other adverse effects

Other information : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number

UN nr. : UN 1219

14.2. UN proper shipping name

Transport name : ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID (road / railway)

Class : 3
 Classification code : F1
 Packaging group : II
 Danger label : 3



IMDG (sea)

Class : 3
 Packaging group : II
 EmS (fire / spill) : F - E / S - D
 Marine pollutant : No

IATA (air)

Class : 3

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EC) No 1907/2006 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

Ingredient declaration according to Regulation 648/2004:

Contains:	Concentration (%)
Anionic surfactants	< 5
Perfumes 2-Bromo-2-nitropropane-1,3-diol	

SECTION 16 OTHER INFORMATION

*

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EC) 1907/2006 dated 18 December 2006 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with



MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 830/2015

all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of H-phrases mentioned in section 3:

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DNEL	Derived no-effect level
ECETOC TRA	European centre for ecotoxicology and toxicology of chemicals. Targeted risk assessment
EU	European Union
EUSES	European Union System for the Evaluation of Substances
IBC code	Intermediate Bulk Container
LD50 LC50	Lethal Dose/Concentration for 50% of a population
NOAEL	No Observed (Adverse) Effect Level
NOEC	No observed effect concentration
OEL	Occupational exposure limit
PBT	Persistent, Bioaccumulative and Toxic
PC	Chemical product category
PNEC	Predicted no-effect concentration
STP	Sewage Treatment Plant
SU	Sector of Use
SVHC	Substance of very high concern
TWA/STEL	Time-Weighted Average/Short Term Exposure Limit
vPvB	Very Persistent and Very Bioaccumulative

Number format : "," used as decimal separator.

Date of fifth issue