



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Cleaner Wax (Paste) A12 [A1211]

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

Identified uses

Automotive.

1.3. Details of the supplier of the safety data sheet

Address: Meguiars United Kingdom Limited, 3 Lamport Court, Heartlands, Daventry, Northants, NN11 8UF
Telephone: +44 (0)870 241 6696
E Mail: info@meguiars.co.uk
Website: www.meguiars.co.uk

1.4. Emergency telephone number

+44 (0)870 241 6696

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

The aspiration hazard classification is not required due to the product's viscosity.

CLASSIFICATION:

Flammable Solid, Category 1 - Flam. Sol. 1; H228

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

DANGER.

Symbols

GHS02 (Flame) |

Pictograms



HAZARD STATEMENTS:

H228 Flammable solid.

PRECAUTIONARY STATEMENTS

General:

P102 Keep out of reach of children.

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response:

P370 + P378 In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH066 Repeated exposure may cause skin dryness or cracking.

13% of the mixture consists of components of unknown acute oral toxicity.

Contains 14% of components with unknown hazards to the aquatic environment.

Notes on labelling

Updated per Regulation (EC) No. 648/2004 on detergents.

Ingredients required per 648/2004: >30%: Aliphatic hydrocarbons. Contains: Perfumes.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Ingredient	Identifier(s)	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	(EC-No.) 920-901-0	40 - 50	Asp. Tox. 1, H304 EUH066
Bodying Agent	Trade Secret	7 - 13	Substance with a national occupational exposure limit
Clay	Trade Secret	7 - 13	Substance not classified as hazardous
Poly(dimethylsiloxane)	(CAS-No.) 63148-62-9	7 - 13	Substance not classified as hazardous
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	(EC-No.) 926-141-6	5 - 10	Asp. Tox. 1, H304 EUH066
2-hydroxyethyl octacosanoate	(EC-No.) 914-471-3	7	Substance not classified as hazardous
Oxidized Polyalkylene	Trade Secret	< 5	Substance not classified as hazardous
Carnauba wax	(CAS-No.) 8015-86-9 (EC-No.) 232-399-4	0.5 - 1.5	Substance not classified as hazardous
Polyalkylene Alkyl Ether	Trade Secret	0.5 - 1.5	Substance not classified as hazardous
Quarternary Ammonium Compound	Trade Secret	0.1 - 1	Substance not classified as hazardous
Titanium dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REACH-No.) 01-2119489379-17	< 0.25	Carc. 2, H351 (inhalation)

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

If swallowed

Rinse mouth. If you are concerned, get medical advice.

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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Aldehydes.
formaldehyde
Carbon monoxide
Carbon dioxide.
Irritant vapours or gases.
Oxides of nitrogen.

Condition

During combustion.
During combustion.
During combustion.
During combustion.
During combustion.
During combustion.

5.3. Advice for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not use in a confined area with minimal air exchange. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapour accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

7.2. Conditions for safe storage including any incompatibilities

Protect from sunlight. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidising agents.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Titanium dioxide	13463-67-7	UK HSC	TWA(respirable):4 mg/m ³ ;TWA(Inhalable):10 mg/m ³	
Bodying Agent	Trade Secret	UK HSC	TWA:2 mg/m ³	

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

Recommended monitoring procedures:Information on recommended monitoring procedures can be obtained from UK HSC

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

None required.

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended:

Material	Thickness (mm)	Breakthrough Time
Polymer laminate	No data available	No data available

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used:Nitrile rubber.

Applicable Norms/Standards

Use gloves tested to EN 374

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136: filter types A & P

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Solid.
Specific Physical Form:	Paste
Colour	Dull Yellow, Soft White
Odor	Sweet Hydrocarbon
Odour threshold	<i>No data available.</i>
Melting point/freezing point	<i>Not applicable.</i>
Boiling point/boiling range	185 °C
Flammability (solid, gas)	Flammable Solid: Category 1.
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Flash point	65.6 °C [<i>Test Method:</i> Pensky-Martens Closed Cup]
Autoignition temperature	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
pH	<i>substance/mixture is non-soluble (in water)</i>
Kinematic Viscosity	<i>No data available.</i>
Water solubility	Nil
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Vapour pressure	<i>No data available.</i>
Density	0.92 g/cm ³
Relative density	0.92 [<i>Ref Std:</i> WATER=1]
Relative Vapor Density	<i>No data available.</i>

9.2. Other information**9.2.2 Other safety characteristics**

EU Volatile Organic Compounds	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Molecular weight	<i>No data available.</i>
Percent volatile	52.9 % weight [<i>Test Method:</i> Estimated]

SECTION 10: Stability and reactivity**10.1 Reactivity**

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

10.5 Incompatible materials

Strong acids.

Strong bases.

Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

May be harmful if inhaled. May cause additional health effects (see below).

Skin contact

Prolonged or repeated exposure may cause: Dermal Defatting: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

No known health effects.

Additional Health Effects:

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or

the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Inhalation-Vapour(4 hr)		No data available; calculated ATE20 - 50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Inhalation-Vapour		LC50 estimated to be 20 - 50 mg/l
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Dermal	Rabbit	LD50 > 5,000 mg/kg
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Ingestion	Rat	LD50 > 5,000 mg/kg
Clay	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
Clay	Ingestion	Rat	LD50 > 2,000 mg/kg
Poly(dimethylsiloxane)	Dermal	Rabbit	LD50 > 19,400 mg/kg
Poly(dimethylsiloxane)	Ingestion	Rat	LD50 > 17,000 mg/kg
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Inhalation-Vapour	Professional judgement	LC50 estimated to be 20 - 50 mg/l
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Dermal	Rabbit	LD50 > 5,000 mg/kg
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Ingestion	Rat	LD50 > 5,000 mg/kg
2-hydroxyethyl octacosanoate	Dermal		LD50 estimated to be > 5,000 mg/kg
2-hydroxyethyl octacosanoate	Ingestion	Rat	LD50 > 2,000 mg/kg
Polyalkylene Alkyl Ether	Dermal	Rabbit	LD50 > 5,000 mg/kg
Polyalkylene Alkyl Ether	Ingestion	Rat	LD50 > 10,000 mg/kg
Carnauba wax	Dermal		LD50 estimated to be > 5,000 mg/kg
Quarternary Ammonium Compound	Dermal		LD50 estimated to be > 5,000 mg/kg
Carnauba wax	Ingestion	Rat	LD50 > 8,800 mg/kg
Oxidized Polyalkylene	Ingestion	Rat	LD50 > 2,500 mg/kg
Quarternary Ammonium Compound	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 12.6 mg/l
Quarternary Ammonium Compound	Ingestion	Rat	LD50 > 5,000 mg/kg
Titanium dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.82 mg/l
Titanium dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Rabbit	Minimal irritation
Poly(dimethylsiloxane)	Rabbit	No significant irritation
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Rabbit	Minimal irritation
Carnauba wax	Professional judgement	No significant irritation
Oxidized Polyalkylene	Professional judgement	No significant irritation
Quarternary Ammonium Compound	Rat	No significant irritation
Titanium dioxide	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Rabbit	Mild irritant
Poly(dimethylsiloxane)	Rabbit	No significant irritation
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Rabbit	Mild irritant
Carnauba wax	Professional judgement	No significant irritation
Oxidized Polyalkylene	Professional judgement	No significant irritation
Quarternary Ammonium Compound	Rabbit	No significant irritation
Titanium dioxide	Rabbit	No significant irritation

Skin Sensitisation

Name	Species	Value
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Guinea pig	Not classified
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Guinea pig	Not classified
Titanium dioxide	Human and animal	Not classified

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	In Vitro	Not mutagenic
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	In vivo	Not mutagenic
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	In Vitro	Not mutagenic
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	In vivo	Not mutagenic
Titanium dioxide	In Vitro	Not mutagenic
Titanium dioxide	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Not specified.	Not available	Not carcinogenic
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Not specified.	Not available	Not carcinogenic
Titanium dioxide	Ingestion	Multiple animal species	Not carcinogenic
Titanium dioxide	Inhalation	Rat	Carcinogenic.

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Not specified.	Not classified for female reproduction	Not available	NOAEL NA	1 generation
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Not specified.	Not classified for male reproduction	Not available	NOAEL NA	28 days
Hydrocarbons, C11-C13, isoalkanes, <2%	Not	Not classified for development	Not	NOAEL NA	during

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aromatics	specified.		available		gestation
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Not specified.	Not classified for female reproduction	Rat	NOAEL Not available	1 generation
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Not specified.	Not classified for male reproduction	Rat	NOAEL Not available	1 generation
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Not specified.	Not classified for development	Rat	NOAEL Not available	1 generation

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

For the component/components, either no data is currently available or the data is not sufficient for classification.

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Titanium dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.01 mg/l	2 years
Titanium dioxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure

Aspiration Hazard

Name	Value
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Aspiration hazard
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Aspiration hazard

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	CAS #	Organism	Type	Exposure	Test endpoint	Test result
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	920-901-0	Green Algae	Estimated	72 hours	EL50	>1,000 mg/l
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	920-901-0	Rainbow trout	Estimated	96 hours	LL50	>1,000 mg/l
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	920-901-0	Water flea	Estimated	48 hours	EL50	>1,000 mg/l
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	920-901-0	Green Algae	Estimated	72 hours	NOEL	1,000 mg/l
Bodying Agent	Trade Secret		Data not available or insufficient for			N/A

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			classification			
Clay	Trade Secret	Bacteria	Estimated	16 hours	EC10	1,400 mg/l
Clay	Trade Secret	Green algae	Estimated	72 hours	EC50	2,500 mg/l
Clay	Trade Secret	Water flea	Estimated	48 hours	EC50	>100 mg/l
Clay	Trade Secret	Zebra Fish	Estimated	96 hours	LC50	>100 mg/l
Clay	Trade Secret	Green algae	Estimated	72 hours	EC10	41 mg/l
Clay	Trade Secret	Rainbow trout	Estimated	30 days	NOEC	100 mg/l
Poly(dimethylsiloxane)	63148-62-9		Data not available or insufficient for classification			N/A
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	Green Algae	Experimental	72 hours	EL50	>1,000 mg/l
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	Rainbow trout	Experimental	96 hours	LL50	>1,000 mg/l
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	Water flea	Experimental	48 hours	EL50	>1,000 mg/l
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	Green Algae	Experimental	72 hours	NOEL	1,000 mg/l
Oxidized Polyalkylene	Trade Secret		Data not available or insufficient for classification			N/A
Carnauba wax	8015-86-9		Data not available or insufficient for classification			N/A
Polyalkylene Alkyl Ether	Trade Secret		Data not available or insufficient for classification			N/A
Quarternary Ammonium Compound	Trade Secret	Activated sludge	Estimated	3 hours	EC50	>300 mg/l
Quarternary Ammonium Compound	Trade Secret	Green algae	Estimated	72 hours	EC50	>100 mg/l
Quarternary Ammonium Compound	Trade Secret	Water flea	Estimated	48 hours	EC50	>100 mg/l
Quarternary Ammonium Compound	Trade Secret	Zebra Fish	Estimated	96 hours	LC50	>100 mg/l
Titanium dioxide	13463-67-7	Activated sludge	Experimental	3 hours	NOEC	>=1,000 mg/l
Titanium dioxide	13463-67-7	Diatom	Experimental	72 hours	EC50	>10,000 mg/l
Titanium dioxide	13463-67-7	Fathead minnow	Experimental	96 hours	LC50	>100 mg/l
Titanium dioxide	13463-67-7	Water flea	Experimental	48 hours	EC50	>100 mg/l
Titanium dioxide	13463-67-7	Diatom	Experimental	72 hours	NOEC	5,600 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	920-901-0	Estimated Biodegradation	28 days	BOD	31.3 % BOD/ThBOD	OECD 301F - Manometric respirometry

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Bodying Agent	Trade Secret	Data not availbl-insufficient			N/A	
Clay	Trade Secret	Data not availbl-insufficient			N/A	
Poly(dimethylsiloxane)	63148-62-9	Data not availbl-insufficient			N/A	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	Experimental Biodegradation	28 days	BOD	69 % BOD/ThBOD	OECD 301F - Manometric respirometry
Oxidized Polyalkylene	Trade Secret	Data not availbl-insufficient			N/A	
Carnauba wax	8015-86-9	Estimated Biodegradation	28 days	CO2 evolution	96 % weight	OECD 301B - Modified sturm or CO2
Polyalkylene Alkyl Ether	Trade Secret	Modeled Biodegradation	28 days	BOD	20 % BOD/ThBOD	Catalogic™
Quarternary Ammonium Compound	Trade Secret	Estimated Biodegradation	28 days	BOD	3 % BOD/ThBOD	OECD 301D - Closed bottle test
Titanium dioxide	13463-67-7	Data not availbl-insufficient			N/A	

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	920-901-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Bodying Agent	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Clay	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Poly(dimethylsiloxane)	63148-62-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Oxidized Polyalkylene	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Carnauba wax	8015-86-9	Estimated Bioconcentration		Bioaccumulation factor	7.4	Estimated: Bioconcentration factor
Polyalkylene Alkyl Ether	Trade Secret	Modeled Bioconcentration		Bioaccumulation factor	2	Catalogic™
Polyalkylene Alkyl Ether	Trade Secret	Modeled Bioconcentration		Log Kow	-2.6	Episuite™
Quarternary Ammonium Compound	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Titanium dioxide	13463-67-7	Experimental BCF-Carp	42 days	Bioaccumulation factor	9.6	Non-standard method

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
Polyalkylene Alkyl Ether	Trade Secret	Modeled Mobility in Soil	Koc	13 l/kg	Episuite™

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

12.7. Other adverse effects

No information available.

The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

EU waste code (product as sold)

070604* Other organic solvents, washing liquids and mother liquors

SECTION 14: Transportation information

IATA: UN1325; FLAMMABLE SOLID, ORGANIC, N.O.S. (HYDROTREATED HEAVY NAPHTHA (PETROLEUM); HYDROTREATED LIGHT PETROLEUM DISTILLATES); 4.1; II.

IMDG: UN1325; FLAMMABLE SOLID, ORGANIC, N.O.S., LQ (HYDROTREATED HEAVY NAPHTHA (PETROLEUM); HYDROTREATED LIGHT PETROLEUM DISTILLATES); 4.1; II; EMS: FA, SG

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

SECTION 15: Regulatory information

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

Carcinogenicity

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
Titanium dioxide	13463-67-7	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances in accordance with Regulation (EC) No 1907/2006, as amended.

SECTION 16: Other information**List of relevant H statements**

EUH066	Repeated exposure may cause skin dryness or cracking.
H228	Flammable solid.
H304	May be fatal if swallowed and enters airways.
H351i	Suspected of causing cancer by inhalation.

Revision information:

EU Section 09: pH information information was added.
 Section 1: Product name information was modified.
 CLP: Ingredient table information was deleted.
 CLP Remark(phrase) information was modified.
 Label: CLP Classification information was modified.
 Label: CLP Environmental Hazard Statements information was deleted.
 Label: CLP Percent Unknown information was modified.
 Label: CLP Precautionary - Disposal information was deleted.
 Label: CLP Precautionary - Prevention information was modified.
 Label: CLP Precautionary - Response information was modified.
 Label: CLP Supplemental Hazard Statements information was added.
 Label: Graphic information was modified.
 Section 03: Composition table % Column heading information was added.
 Section 3: Composition/ Information of ingredients table information was modified.
 Section 03: Substance not applicable information was added.
 Section 4: First aid for eye contact information information was modified.
 Section 4: First aid for ingestion (swallowing) information information was modified.
 Section 4: First aid for skin contact information information was modified.
 Section 04: Information on toxicological effects information was modified.
 Section 5: Fire - Advice for fire fighters information information was modified.
 Section 5: Hazardous combustion products table information was modified.
 Section 6: Accidental release clean-up information information was modified.
 Section 7: Conditions safe storage information was modified.
 Section 7: Precautions safe handling information information was modified.
 Section 8: Eye protection information information was added.
 Section 8: Eye/face protection information information was deleted.
 Section 8: Occupational exposure limit table information was modified.
 Section 8: Personal Protection - Eye information information was deleted.
 Section 8: Personal Protection - Skin/hand information information was modified.
 Section 08: Skin protection - incidental contact text information was added.
 Section 08: Skin protection - incidental contact information was added.
 Section 09: Color information was added.
 Section 9: Evaporation Rate information information was deleted.
 Section 9: Explosive properties information information was deleted.
 Section 09: Kinematic Viscosity information information was added.
 Section 9: Melting point information information was modified.
 Section 09: Odor information was added.
 Sections 3 and 9: Odour, colour, grade information information was deleted.
 Section 9: Oxidising properties information information was deleted.
 Section 9: pH information information was deleted.
 Section 9: Property description for optional properties information was modified.
 Section 9: Vapour density value information was added.
 Section 9: Vapour density value information was deleted.
 Section 9: Viscosity information information was deleted.

Section 11: Acute Toxicity table information was modified.
Section 11: Aspiration Hazard Table information was modified.
Section 11: Cancer Hazards information information was added.
Section 11: Carcinogenicity Table information was modified.
Section 11: Classification disclaimer information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Health Effects - Eye information information was modified.
Section 11: Health Effects - Ingestion information information was modified.
Section 11: Health Effects - Inhalation information information was modified.
Section 11: Health Effects - Skin information information was modified.
Section 11: No endocrine disruptor information available warning information was added.
Section 11: Reproductive and/or Developmental Effects text information was deleted.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Single exposure may cause standard phrases information was deleted.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Specific Target Organ Toxicity - single exposure text information was added.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was deleted.
Section 12: 12.6. Endocrine Disrupting Properties information was added.
Section 12: 12.7. Other adverse effects information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Contact manufacturer for more detail. information was deleted.
Section 12: Mobility in soil information information was added.
Section 12: No endocrine disruptor information available warning information was added.
Section 12: No PBT/vPvB information available warning information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12: Biocumulative potential information information was modified.
Section 13: 13.1. Waste disposal note information was modified.
Section 14 Classification Code – Main Heading information was added.
Section 14 Classification Code – Regulation Data information was added.
Section 14 Control Temperature – Main Heading information was added.
Section 14 Control Temperature – Regulation Data information was added.
Section 14 Disclaimer Information information was added.
Section 14 Emergency Temperature – Main Heading information was added.
Section 14 Emergency Temperature – Regulation Data information was added.
Section 14 Hazard Class + Sub Risk – Main Heading information was added.
Section 14 Hazard Class + Sub Risk – Regulation Data information was added.
Section 14 Hazardous/Not Hazardous for Transportation information was added.
Section 14 Multiplier – Main Heading information was added.
Section 14 Multiplier – Regulation Data information was added.
Section 14 Other Dangerous Goods – Main Heading information was added.
Section 14 Other Dangerous Goods – Regulation Data information was added.
Section 14 Packing Group – Main Heading information was added.
Section 14 Packing Group – Regulation Data information was added.
Section 14 Proper Shipping Name information was added.
Section 14 Regulations – Main Headings information was added.
Section 14 Segregation – Regulation Data information was added.
Section 14 Segregation Code – Main Heading information was added.
Section 14 Special Precautions – Main Heading information was added.
Section 14 Special Precautions – Regulation Data information was added.
Section 14 Transport Category – Main Heading information was added.
Section 14 Transport Category – Regulation Data information was added.
Section 14 Transport in bulk – Regulation Data information was added.
Section 14 Transport in bulk according to Annex II of Marpol and the IBC Code – Main Heading information was added.

Section 14 Transport Not Permitted – Main Heading information was added.

Section 14 Transport Not Permitted – Regulation Data information was added.

Section 14 Tunnel Code – Main Heading information was added.

Section 14 Tunnel Code – Regulation Data information was added.

Section 14 UN Number Column data information was added.

Section 14 UN Number information was added.

Section 14: Transportation classification information was modified.

Section 15: Carcinogenicity information information was added.

Section 15: Chemical Safety Assessment information was modified.

Section 15: Label remarks and EU Detergent information was modified.

Section 15: Regulations - Inventories information was deleted.

Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

Section 16: UK disclaimer information was deleted.

Section 16: Web address information was modified.

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