



## Safety Data Sheet

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<b>Document group:</b>	28-6174-8	<b>Version number:</b>	3.00
<b>Revision date:</b>	23/01/2014	<b>Supersedes date:</b>	25/09/2013
<b>Transportation version number:</b>	1.00 (27/10/2011)		

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

M09, Swirl Remover (21-165A): M0901, M0916

#### 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 substance or mixture

**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

##### CLASSIFICATION:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

For full text of H phrases, see Section 16.

#### Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

##### Indication of danger

Irritant; Xi; R38

For full text of R phrases, see Section 16.

## 2.2. Label elements

### CLP REGULATION (EC) No 1272/2008

#### SIGNAL WORD

WARNING!

#### Symbols:

GHS07 (Exclamation mark) |

#### Pictograms



#### HAZARD STATEMENTS:

H315 Causes skin irritation.

#### PRECAUTIONARY STATEMENTS

##### Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P262 Do not get in eyes, on skin, or on clothing.

##### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

7% of the mixture consists of components of unknown acute dermal toxicity.

Contains 23% of components with unknown hazards to the aquatic environment.

#### Notes on labelling

H304 is not required on the label due to the product's viscosity

Nota P applied for CASRN 64742-48-9. Nota N applied for CASRN 64742-46-7.

#### Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

#### Symbol(s)



Irritant

#### Contains:

No ingredients are assigned to the label.

#### Risk phrases

R38 Irritating to skin.

#### Safety phrases

S23A Do not breathe vapour.  
S24 Avoid contact with skin.  
S62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or

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label.

**Notes on labelling**

R65 is not required on the label due to the product's viscosity.

Nota P applied for CASRN 64742-48-9. Nota N applied for CASRN 64742-46-7.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients**

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
Non-hazardous ingredients	Mixture		50 - 70	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	EINECS 265-150-3	10 - 30	Xn:R65 - Nota 4,P (EU) Xi:R38; R67 (Self Classified)  Asp. Tox. 1, H304 - Nota P (CLP) Skin Irrit. 2, H315; STOT SE 3, H336 (Self Classified)
Kaolin, calcined	92704-41-1	EINECS 296-473-8	3 - 7	
Distillates (petroleum), hydrotreated middle	64742-46-7	EINECS 265-148-2	3 - 7	Nota N (EU) Xn:R20-65; R52/53; R66 (Self Classified)  Nota N (CLP) Acute Tox. 4, H332; Asp. Tox. 1, H304; STOT SE 3, H336; EUH066 (Self Classified)
Conditioners	Trade Secret		<= 5	
Ceramic materials and wares, chemicals	66402-68-4	EINECS 266-340-9	1 - 5	
Processed oil	Trade Secret		1 - 5	
Glycerin	56-81-5	EINECS 200-289-5	1 - 5	
Morpholine	110-91-8	EINECS 203-815-1	< 1	C:R34; Xn:R20-21-22; R10 (EU)  Flam. Liq. 3, H226; Acute Tox. 3, H311; Acute Tox. 4, H332; Acute Tox. 4, H302; Skin Corr. 1B, H314 (CLP)
Polyethylene glycol stearate	9004-99-3		<= 0.5	N:R50 (Self Classified)  Aquatic Acute 1, H400,M=1; Aquatic Chronic 3, H412 (Self Classified)
Titanium dioxide	13463-67-7	EINECS 236-675-5	<= 0.1	

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

#### Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

#### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

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

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

<u>Substance</u>	<u>Condition</u>
Hydrocarbons.	During combustion.
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.
Irritant vapours or gases.	During combustion.

### 5.3. Advice for fire-fighters

No unusual fire or explosion hazards are anticipated.

## SECTION 6: Accidental release measures

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

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. Observe precautions from other sections. 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. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

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

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with detergent and water. 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**

For industrial or professional use only. Do not use in a confined area with minimal air exchange. 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.)

**7.2. Conditions for safe storage including any incompatibilities**

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**

<b>Ingredient</b>	<b>CAS Nbr</b>	<b>Agency</b>	<b>Limit type</b>	<b>Additional comments</b>
Morpholine	110-91-8	Health and Safety Comm. (UK)	TWA: 36 mg/m <sup>3</sup> (10 ppm); STEL: 72 mg/m <sup>3</sup> (20 ppm)	Skin Notation
Titanium dioxide	13463-67-7	Health and Safety Comm. (UK)	TWA(Inhalable):10 mg/m <sup>3</sup> ;TWA(respirable):4 mg/m <sup>3</sup>	
Glycerin	56-81-5	Health and Safety Comm. (UK)	TWA(as mist):10 mg/m <sup>3</sup>	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Manufacturer determined	TWA:100 ppm	

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

**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.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety glasses with side shields.

#### 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. Wear protective gloves.

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

#### 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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid.
<b>Appearance/Odour</b>	Pleasant, sweet odour; White, viscous lotion
<b>Odour threshold</b>	<i>No data available.</i>
<b>pH</b>	7.9 - 8.5
<b>Boiling point/boiling range</b>	193.3 °C
<b>Melting point</b>	<i>Not applicable.</i>
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Explosive properties</b>	Not classified
<b>Oxidising properties</b>	Not classified
<b>Flash point</b>	$\geq 93.3$ °C [ <i>Test Method</i> :Pensky-Martens Closed Cup] [ <i>Details</i> :D93-90]
<b>Autoignition temperature</b>	<i>No data available.</i>
<b>Flammable Limits(LEL)</b>	<i>No data available.</i>
<b>Flammable Limits(UEL)</b>	<i>No data available.</i>
<b>Vapour pressure</b>	<i>No data available.</i>
<b>Relative density</b>	0.98 [ <i>Ref Std</i> :WATER=1]
<b>Water solubility</b>	Moderate
<b>Solubility- non-water</b>	<i>No data available.</i>
<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Evaporation rate</b>	<i>No data available.</i>
<b>Vapour density</b>	<i>No data available.</i>
<b>Decomposition temperature</b>	<i>No data available.</i>
<b>Viscosity</b>	7 Pa-s - 12 Pa-s
<b>Density</b>	0.98 g/cm <sup>3</sup>

### 9.2. Other information

Volatile organic compounds (VOC)	15.40 % weight
VOC less H <sub>2</sub> O & exempt solvents	545.41 g/l

## 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

Temperatures above the boiling point.

### 10.5 Incompatible materials

Strong acids.

Strong bases.

Strong oxidising agents.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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None known.	
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Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1 Information on Toxicological effects

#### Signs and Symptoms of Exposure

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

#### Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

#### Skin contact

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

#### Eye contact

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

#### Ingestion

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Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

**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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Naphtha (petroleum), hydrotreated heavy	Inhalation-Vapor		LC50 estimated to be 20 - 50 mg/l
Naphtha (petroleum), hydrotreated heavy	Dermal	Rabbit	LD50 > 3,000 mg/kg
Naphtha (petroleum), hydrotreated heavy	Ingestion	Rat	LD50 > 5,000 mg/kg
Distillates (petroleum), hydrotreated middle	Dermal	Rabbit	LD50 > 2,000 mg/kg
Kaolin, calcined	Ingestion	Rat	LD50 > 2,000 mg/kg
Distillates (petroleum), hydrotreated middle	Inhalation-Dust/Mist (4 hours)	Rat	LC50 4.6 mg/l
Distillates (petroleum), hydrotreated middle	Ingestion	Rat	LD50 > 5,000 mg/kg
Glycerin	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
Glycerin	Ingestion	Rat	LD50 > 5,000 mg/kg
Ceramic materials and wares, chemicals	Dermal		LD50 estimated to be > 5,000 mg/kg
Ceramic materials and wares, chemicals	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
Processed oil	Ingestion		LD50 estimated to be > 5,000
Polyethylene glycol stearate			Data not available or insufficient for classification
Morpholine	Dermal	Rabbit	LD50 310 mg/kg
Morpholine	Inhalation-Vapor	Rat	LC50 estimated to be 10 - 20 mg/l
Morpholine	Ingestion	Rat	LD50 1,050 mg/kg
Conditioners			Data not available or insufficient for classification
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
Naphtha (petroleum), hydrotreated heavy	Rabbit	Irritant
Kaolin, calcined		Data not available or insufficient for classification
Distillates (petroleum), hydrotreated middle	Rabbit	Minimal irritation
Glycerin	Rabbit	No significant irritation
Ceramic materials and wares, chemicals	Rabbit	No significant irritation
Processed oil	Human	Minimal irritation
Polyethylene glycol stearate		Data not available or insufficient for classification
Morpholine	official classification	Corrosive
Conditioners		Data not available or insufficient for classification
Titanium dioxide	Rabbit	No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Naphtha (petroleum), hydrotreated heavy	Rabbit	No significant irritation
Kaolin, calcined		Data not available or insufficient for classification
Distillates (petroleum), hydrotreated middle	Not available	Mild irritant
Glycerin	Rabbit	No significant irritation
Ceramic materials and wares, chemicals	Rabbit	Mild irritant
Processed oil	Rabbit	Mild irritant
Polyethylene glycol stearate		Data not available or insufficient for classification
Morpholine	Rabbit	Corrosive
Conditioners		Data not available or insufficient for classification



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Titanium dioxide	Rabbit	No significant irritation
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**Skin Sensitisation**

Name	Species	Value
Naphtha (petroleum), hydrotreated heavy	Guinea pig	Not sensitizing
Kaolin, calcined		Data not available or insufficient for classification
Distillates (petroleum), hydrotreated middle		Data not available or insufficient for classification
Glycerin	Guinea pig	Not sensitizing
Ceramic materials and wares, chemicals		Data not available or insufficient for classification
Processed oil	Human	Some positive data exist, but the data are not sufficient for classification
Polyethylene glycol stearate		Data not available or insufficient for classification
Morpholine	Guinea pig	Not sensitizing
Conditioners		Data not available or insufficient for classification
Titanium dioxide	Human and animal	Not sensitizing

**Respiratory Sensitisation**

Name	Species	Value
Naphtha (petroleum), hydrotreated heavy		Data not available or insufficient for classification
Kaolin, calcined		Data not available or insufficient for classification
Distillates (petroleum), hydrotreated middle		Data not available or insufficient for classification
Glycerin		Data not available or insufficient for classification
Ceramic materials and wares, chemicals		Data not available or insufficient for classification
Processed oil		Data not available or insufficient for classification
Polyethylene glycol stearate		Data not available or insufficient for classification
Morpholine		Data not available or insufficient for classification
Conditioners		Data not available or insufficient for classification
Titanium dioxide		Data not available or insufficient for classification

**Germ Cell Mutagenicity**

Name	Route	Value
Naphtha (petroleum), hydrotreated heavy	In vivo	Not mutagenic
Naphtha (petroleum), hydrotreated heavy	In Vitro	Some positive data exist, but the data are not sufficient for classification
Kaolin, calcined		Data not available or insufficient for classification
Distillates (petroleum), hydrotreated middle	In Vitro	Some positive data exist, but the data are not sufficient for classification
Glycerin		Data not available or insufficient for classification
Ceramic materials and wares, chemicals	In Vitro	Some positive data exist, but the data are not sufficient for classification
Processed oil	In Vitro	Not mutagenic
Processed oil	In vivo	Not mutagenic
Polyethylene glycol stearate		Data not available or insufficient for classification
Morpholine	In Vitro	Some positive data exist, but the data are not sufficient for classification
Morpholine	In vivo	Some positive data exist, but the data are not sufficient for classification
Conditioners		Data not available or insufficient for classification
Titanium dioxide	In Vitro	Not mutagenic
Titanium dioxide	In vivo	Not mutagenic

**Carcinogenicity**

Name	Route	Species	Value
Naphtha (petroleum), hydrotreated heavy	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Naphtha (petroleum), hydrotreated heavy	Inhalation	Human and animal	Some positive data exist, but the data are not sufficient for classification
Kaolin, calcined			Data not available or insufficient for classification
Distillates (petroleum), hydrotreated middle	Dermal	Mouse	Some positive data exist, but the data are not

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			sufficient for classification
Glycerin	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
Ceramic materials and wares, chemicals	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Processed oil			Data not available or insufficient for classification
Polyethylene glycol stearate			Data not available or insufficient for classification
Morpholine	Ingestion	Multiple animal species	Not carcinogenic
Morpholine	Inhalation	Rat	Not carcinogenic
Conditioners			Data not available or insufficient for classification
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
Naphtha (petroleum), hydrotreated heavy	Inhalation	Not toxic to development	Rat	NOAEL 2.4 mg/l	during organogenesis
Kaolin, calcined		Data not available or insufficient for classification			
Distillates (petroleum), hydrotreated middle		Data not available or insufficient for classification			
Glycerin	Ingestion	Not toxic to female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerin	Ingestion	Not toxic to male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerin	Ingestion	Not toxic to development	Rat	NOAEL 2,000 mg/kg/day	2 generation
Ceramic materials and wares, chemicals		Data not available or insufficient for classification			
Processed oil	Ingestion	Not toxic to female reproduction	Rat	NOAEL 4,800 mg/kg/day	13 weeks
Processed oil	Ingestion	Not toxic to male reproduction	Rat	NOAEL 4,800 mg/kg/day	13 weeks
Polyethylene glycol stearate		Data not available or insufficient for classification			
Morpholine		Data not available or insufficient for classification			
Conditioners		Data not available or insufficient for classification			
Titanium dioxide		Data not available or insufficient for classification			

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Naphtha (petroleum), hydrotreated heavy	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Naphtha (petroleum), hydrotreated heavy	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	

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Naphtha (petroleum), hydrotreated heavy	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification	Dog	NOAEL 6.5 mg/l	4 hours
Distillates (petroleum), hydrotreated middle	Inhalation	central nervous system depression   respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Not available	NOAEL NA	
Distillates (petroleum), hydrotreated middle	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Not available	NOAEL NA	
Kaolin, calcined			Data not available or insufficient for classification			
Glycerin			Data not available or insufficient for classification			
Processed oil			Data not available or insufficient for classification			
Polyethylene glycol stearate			Data not available or insufficient for classification			
Morpholine	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Conditioners			Data not available or insufficient for classification			

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Naphtha (petroleum), hydrotreated heavy	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 4.6 mg/l	6 months
Naphtha (petroleum), hydrotreated heavy	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 1.9 mg/l	13 weeks
Naphtha (petroleum), hydrotreated heavy	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Multiple animal species	NOAEL 0.6 mg/l	90 days
Naphtha (petroleum), hydrotreated heavy	Inhalation	bone, teeth, nails, and/or hair   blood   liver   muscles	All data are negative	Rat	NOAEL 5.6 mg/l	12 weeks
Naphtha (petroleum), hydrotreated heavy	Inhalation	heart	All data are negative	Multiple animal species	NOAEL 1.3 mg/l	90 days
Kaolin, calcined			Data not available or insufficient for classification			
Distillates (petroleum), hydrotreated middle			Data not available or insufficient for classification			
Glycerin	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Inhalation	heart   liver   kidney and/or bladder	All data are negative	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Ingestion	endocrine system   hematopoietic system   liver   kidney and/or bladder	All data are negative	Rat	NOAEL 10,000 mg/kg/day	2 years
Ceramic materials and wares, chemicals	Inhalation	pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification	Multiple animal species	NOAEL not available	
Ceramic materials and wares, chemicals	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL not available	occupational exposure
Processed oil	Ingestion	heart   hematopoietic system   liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 4,800 mg/kg/day	13 weeks
Processed oil	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 13,000 mg/kg/day	13 weeks
Polyethylene glycol stearate			Data not available or insufficient for classification			

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Morpholine	Dermal	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Guinea pig	LOAEL 900 mg/kg/day	13 days
Morpholine	Dermal	hematopoietic system	All data are negative	Guinea pig	NOAEL 900 mg/kg/day	13 days
Morpholine	Inhalation	eyes	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
Morpholine	Inhalation	respiratory system	May cause damage to organs though prolonged or repeated exposure	Rat	NOAEL 0.09 mg/l	13 weeks
Morpholine	Inhalation	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 64 mg/l	5 days
Morpholine	Inhalation	heart   endocrine system	All data are negative	Rat	NOAEL 0.9 mg/l	13 weeks
Morpholine	Inhalation	nervous system	All data are negative	Rat	NOAEL 0.53 mg/l	104 weeks
Morpholine	Ingestion	kidney and/or bladder	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 160 mg/kg/day	30 days
Morpholine	Ingestion	liver   respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 160 mg/kg/day	30 days
Morpholine	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 800 mg/kg/day	30 days
Morpholine	Ingestion	endocrine system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 323 mg/kg/day	4 weeks
Conditioners			Data not available or insufficient for classification			
Titanium dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.010 mg/l	2 years
Titanium dioxide	Inhalation	pulmonary fibrosis	All data are negative	Human	NOAEL Not available	occupational exposure

**Aspiration Hazard**

Name	Value
Naphtha (petroleum), hydrotreated heavy	Aspiration hazard
Kaolin, calcined	Not an aspiration hazard
Distillates (petroleum), hydrotreated middle	Aspiration hazard
Glycerin	Not an aspiration hazard
Ceramic materials and wares, chemicals	Not an aspiration hazard
Processed oil	Not an aspiration hazard
Polyethylene glycol stearate	Not an aspiration hazard
Morpholine	Not an aspiration hazard
Conditioners	Not an aspiration hazard
Titanium dioxide	Not an 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.

**SECTION 12: Ecological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

**12.1. Toxicity**

No product test data available.

## M09, Swirl Remover (21-165A): M0901, M0916

No component test data available.

### 12.2. Persistence and degradability

No test data available.

### 12.3 : Bioaccumulative potential

No test data available.

### 12.4. Mobility in soil

Please contact manufacturer for more details

### 12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

### 12.6. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

See Section 11.1 Information on toxicological effects

Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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)

120109\* Machining emulsions and solutions free of halogens

## SECTION 14: Transportation information

ADR/IMDG/IATA: Not restricted for transport.

## SECTION 15: Regulatory information

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

#### Carcinogenicity

##### Ingredient

Morpholine

##### CAS Nbr

110-91-8

##### Classification

Gr. 3: Not classifiable

##### Regulation

International Agency  
for Research on Cancer

Titanium dioxide

13463-67-7

Grp. 2B: Possible human  
carc.

International Agency  
for Research on Cancer

#### Global inventory status

Contact manufacturer for more information The components of this product are in compliance with the chemical notification

requirements of TSCA.

### **15.2. Chemical Safety Assessment**

Not applicable

## **SECTION 16: Other information**

### **List of relevant H statements**

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

### **List of relevant R-phrases**

R10	Flammable.
R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R34	Causes burns.
R38	Irritating to skin.
R50	Very toxic to aquatic organisms.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R65	Harmful: May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

### **Revision information:**

Revision Changes:

Section 3: Composition/ Information of ingredients table information was modified.

Copyright information was modified.

Section 11: Acute Toxicity table information was modified.

Section 6: Accidental release clean-up information information was modified.

Section 7: Precautions safe handling information information was modified.

Section 8: Personal Protection - Skin/hand information information was modified.

Section 13: 13.1. Waste disposal note information was modified.

Risk phrase information was added.

Section 2: Indication of danger heading information was added.

Section 2: Indication of danger information information was added.

Label: Signal Word - Header information was added.

Label: Signal Word information was added.

Label: CLP Classification - Header information was added.

Label: CLP Classification information was added.

Label: CLP Classification information was added.

Label: CLP Classification - Header information was added.

Label: CLP Percent Unknown information was added.

Label: CLP Percent Unknown information was added.

Label: Graphic information was added.

Label: Graphic information was added.  
Label: Symbol information was added.  
Label: Symbol information was added.  
Label: CLP Precautionary - Prevention information was added.  
Label: CLP Precautionary - Prevention - Header information was added.  
Label: CLP Precautionary - Response information was added.  
Label: CLP Precautionary - Response - Header information was added.  
Label: Precautionary Statement - Header information was added.  
Section 2: Notes on labelling heading information was added.  
Section 15: Label remarks and EU Detergent information was added.  
CLP Remark(phrase) information was added.  
Section 2: 2.2 & 2.3. CLP REGULATION heading information was added.  
Section 8: Personal Protection - Eye information information was added.  
Section 8: Personal Protection - Respiratory Information information was added.  
Section 2: H phrase reference information was added.  
Section 11: Disclosed components not in tables text information was added.  
Section 2: R phrase reference information was added.  
Label: Graphic information was added.  
Label: Graphic Text information was added.  
Section 8: Eye/face protection text information was deleted.  
Section 8: Respiratory protection - recommended respirators information was deleted.  
Section 8: Skin protection - protective clothing text information was deleted.  
Section 2.1: Classification information information was deleted.  
Risk phrase - None information was deleted.  
Section 02: Graphic information information was deleted.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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