

Revision date: Wednesday, November 16, 2016

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

### 1.1 Product identifier:

**MS Megades Novo**

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

/

Concentration in use: /

### 1.3 Details of the supplier of the safety data sheet:

**Schippers Europe BV**

Rond Deel 12

5531 AH Bladel, Nederland

Phone: +31497382017 — Fax: +31497382096

E-mail: [contact.nl@schippers.eu](mailto:contact.nl@schippers.eu) — Website:

### 1.4 Emergency telephone number:

+31497382017

## 2 SECTION 2: Hazards identification:

### 2.1 Classification of the substance or mixture:

Classification of the substance or mixture in accordance with regulation (EU) 1272/2008:

**EUH071 EUH208 H302+H332 Acute tox. 4 H314 Skin Corr. 1B H317 Skin Sens. 1 H334 Resp. Sens. 1  
H335 STOT SE 3 H410 Aquatic Acute 1 Aquatic Chronic 2**

### 2.2 Label elements:

Pictograms:



Signal word:

Danger

#### Hazard statements:

<b>EUH071:</b>	Corrosive to the respiratory tract.
<b>EUH208:</b>	Contains ( Glutaraldehyde ). May produce an allergic reaction.
<b>H302+H332 Acute tox. 4:</b>	Harmful if swallowed or if inhaled.
<b>H314 Skin Corr. 1B:</b>	Causes severe skin burns and eye damage.
<b>H317 Skin Sens. 1:</b>	May cause an allergic skin reaction.
<b>H334 Resp. Sens. 1:</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>H335 STOT SE 3:</b>	May cause respiratory irritation.
<b>H410 Aquatic Acute 1 Aquatic Chronic 2:</b>	Very toxic to aquatic life with long lasting effects.

#### Precautionary statements:

<b>P260:</b>	Do not breathe dust/vapours/spray.
<b>P280:</b>	Wear protective gloves, protective clothing, eye protection, face protection.
<b>P284:</b>	Wear respiratory protection.
<b>P303+P361+P353:</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>P304+P341:</b>	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>P305+P351+P338:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P310:</b>	Immediately call a POISON CENTER or doctor.
<b>P342+P311:</b>	If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

#### Contains:

Glutaraldehyde Dimethylalkylbenzylammoniumchloride

#### 2.3 Other hazards:

none

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

Glutaraldehyde	5% - 15%	CAS number: 111-30-8 EINECS: 203-856-5 REACH Registration number: 01-2119455549-26 CLP Classification: <b>EUH071</b> <b>H301 Acute tox. 3</b> <b>H314 Skin Corr. 1B</b> <b>H317 Skin Sens. 1</b> <b>H331 Acute tox. 3</b> <b>H334 Resp. Sens. 1</b> <b>H400 Aquatic Acute 1</b> <b>H411 Aquatic Chronic 2</b>
Dimethylalkylbenzylammoniumchloride	5% - 15%	CAS number: 68391-01-5 / 68424-85-1 EINECS: 269-919-4 / 270-325-2 REACH Registration number: 01-2119965180-41 CLP Classification: <b>H302 Acute tox. 4</b> <b>H314 Skin Corr. 1B</b> <b>H400 Aquatic Acute 1</b> <b>H410 Aquatic Chronic 1</b>

Formic acid	< 5%	CAS number:	64-18-6
		EINECS:	200-579-1
		REACH Registration number:	
		CLP Classification:	<b>H226 Flam. Liq. 3</b> <b>H314 Skin Corr. 1A</b>

For the full text of the H & R phrases mentioned in this section, see section 16.

## 4 SECTION 4: First aid measures:

### 4.1 Description of first aid measures:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

<b>Skin contact:</b>	remove contaminated clothing, rinse skin with plenty of water and immediately transport to hospital.
<b>Eye contact:</b>	first prolonged rinsing with water (contact lenses to be removed if this is easily done) then take to physician.
<b>Ingestion:</b>	rinse mouth, do not induce vomiting, take to hospital immediately.
<b>Inhalation:</b>	let sit upright, fresh air, rest and take to hospital.

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

<b>Skin contact:</b>	caustic, redness, pain, serious burns
<b>Eye contact:</b>	caustic, redness, bad looking, pain
<b>Ingestion:</b>	caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach
<b>Inhalation:</b>	headache, dizziness, nausea, drowsiness, unconsciousness

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

none

## 5 SECTION 5: Fire-fighting measures:

### 5.1 Extinguishing media:

CO2, foam, powder, sprayed water

### 5.2 Special hazards arising from the substance or mixture:

none

### 5.3 Advice for firefighters:

<b>Extinguishing agents to be avoided:</b>	none
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## 6 SECTION 6: Accidental release measures:

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

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

## 6.2 Environmental precautions:

do not allow to flow into sewers or open water.

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

Contain released substance, store into suitable containers. If possible remove by using absorbent material.

## 6.4 Reference to other sections:

for further information check sections 8 & 13.

# 7 SECTION 7: Handling and storage:

## 7.1 Precautions for safe handling:

handle with care to avoid spillage.

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

keep in a sealed container in a closed, frost-free, ventilated room.

## 7.3 Specific end use(s):

/





# 8 SECTION 8: Exposure controls/personal protection:

## 8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the TLV value is known

Formic acid 9.5 mg/m<sup>3</sup>, Glutaraldehyde 0.83 mg/m<sup>3</sup>

## 8.2 Exposure controls:

<b>Inhalation protection:</b>	use with sufficient exhaust ventilation. If necessary, use an air-purifying face mask in case of respiratory hazards. Use the ABEK type as protection against these troublesome levels.	
<b>Skin protection:</b>	handling with Viton-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,7 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	
<b>Eye protection:</b>	keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
<b>Other protection:</b>	impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	

# 9 SECTION 9: Physical and chemical properties:

## 9.1 Information on basic physical and chemical properties:

Melting point/melting range: 0 °C

<b>Boiling point/Boiling range:</b>	100 °C
<b>pH:</b>	2.0
<b>pH 1% diluted in water:</b>	3.0
<b>Vapour pressure/20°C,:</b>	2 332 Pa
<b>Vapour density:</b>	not applicable
<b>Relative density, 20°C:</b>	1.053 kg/l
<b>Appearance/20°C:</b>	liquid
<b>Flash point:</b>	/
<b>Flammability (solid, gas):</b>	not applicable
<b>Auto-ignition temperature:</b>	/
<b>Upper flammability or explosive limit, (Vol %):</b>	/
<b>Lower flammability or explosive limit, (Vol %):</b>	/
<b>Explosive properties:</b>	not applicable
<b>Oxidising properties:</b>	not applicable
<b>Decomposition temperature:</b>	/
<b>Solubility in water:</b>	completely soluble
<b>Partition coefficient: n-octanol/water:</b>	not applicable
<b>Odour:</b>	characteristic
<b>Odour threshold:</b>	not applicable
<b>Dynamic viscosity, 20°C:</b>	1 mPa.s
<b>Kinematic viscosity, 20°C:</b>	1 mm²/s
<b>Evaporation rate (n-BuAc = 1):</b>	0.300

## 9.2 Other information:

<b>Volatile organic component (VOC):</b>	17.25 %
<b>Volatile organic component (VOC):</b>	181.462 g/l

## 10 SECTION 10: Stability and reactivity:

### 10.1 Reactivity:

stable under normal conditions.

### 10.2 Chemical stability:

extremely high or low temperatures.

### 10.3 Possibility of hazardous reactions:

none

### 10.4 Conditions to avoid:

protect from sunlight and do not expose to temperatures exceeding + 50°C.

### 10.5 Incompatible materials:

acids, alkalines, oxidants, reductants

### 10.6 Hazardous decomposition products:

doesn't decompose with normal use

## 11 SECTION 11: Toxicological information:

### 11.1 Information on toxicological effects:

<b>H302+H332 Acute tox. 4:</b>	Harmful if swallowed or if inhaled.
<b>H314 Skin Corr. 1B:</b>	Causes severe skin burns and eye damage.
<b>H317 Skin Sens. 1:</b>	May cause an allergic skin reaction.
<b>H334 Resp. Sens. 1:</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>H335 STOT SE 3:</b>	May cause respiratory irritation.

**Calculated acute toxicity, ATE oral:** 573.369 mg/kg

**Calculated acute toxicity, ATE dermal:** /

Glutaraldehyde	LD50 oral, rat: 100 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: 3 mg/l
Dimethylalkylbenzylammoniumchloride	LD50 oral, rat: 795 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l
Formic acid	LD50 oral, rat: ≥ 5,000 mg/kg LD50 dermal, rabbit: ≥ 5,000 mg/kg LC50, Inhalation, rat, 4h: ≥ 50 mg/l

## 12 SECTION 12: Ecological information:

### 12.1 Toxicity:

Glutaraldehyde	LC50 (Fish): 10 - 39 mg/L (4d) EC50 (Daphnia): 750 µg/L (4d) / 14.87 - 29.73 mg/L (45h) NOEC (Daphnia): 5 mg/L (21d) EC50 (Algae): 375 - 1 200 µg/L (72h)
Dimethylalkylbenzylammoniumchloride	LC50 (Fish): > 0,1 - 1 mg/l (96h) EC50 (Daphnia): > 0,01 - 0,1 mg/l (48h) EC50 (Algae): IC50: > 0,01 - 0,1 mg/l (72h) NOEC (Algae): > 0,001 - 0,01 mg/l (OECD 201)

### 12.2 Persistence and degradability:

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

### 12.3 Bioaccumulative potential:

	<b>Additional data:</b>
Glutaraldehyde	Log Pow = -0.36

### 12.4 Mobility in soil:

**Water hazard class, WGK:** 3  
**Solubility in water:** completely soluble

#### 12.5 Results of PBT and vPvB assessment:

No additional data available

#### 12.6 Other adverse effects:

No additional data available

### 13 SECTION 13: Disposal considerations:

#### 13.1 Waste treatment methods:

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

### 14 SECTION 14: Transport information:

#### 14.1 UN number:

1760

#### 14.2 UN proper shipping name:

UN 1760 Corrosive liquid, n.o.s. (mixture with Dimethylalkylbenzylammoniumchloride; Glutaraldehyde) , 8, III, (E)

#### 14.3 Transport hazard class(es):

**Class(es):** 8  
**Identification number of the hazard:** 80

#### 14.4 Packing group:

III

#### 14.5 Environmental hazards:

environmentally hazardous

#### 14.6 Special precautions for user:

**Hazard characteristics:** Risk of burns. Risk to the aquatic environment and the sewerage system.

**Additional guidance:**



### 15 SECTION 15: Regulatory information:

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

Water hazard class, WGK:	3
Volatile organic component (VOC):	17.250 %
Volatile organic component (VOC):	181.462 g/l
Composition by regulation (EC) 648/2004:	Disinfectants 5% - 15%, Cationic surfactants 5% - 15%, Perfumes

### 15.2 Chemical Safety Assessment:

No data available

## 16 SECTION 16: Other information:

### Legend to abbreviations used in the safety data sheet:

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF:	Bioconcentration factor
CAS:	Chemical Abstracts Service
CLP:	Classification, Labelling and Packaging of chemicals
EINECS:	European INventory of Existing Commercial chemical Substances
Nr.:	number
PTB:	persistent, toxic, bioaccumulative
TLV:	Threshold Limit Value
vPvB:	very persistent and very bioaccumulative substances
WGK:	Water hazard class
WGK 1:	slightly hazardous for water
WGK 2:	hazardous for water
WGK 3:	extremely hazardous for water

### Legend to the R & H Phrases used in the safety data sheet:

**EUH071:** Corrosive to the respiratory tract. **EUH208:** Contains ( Glutaraldehyde ). May produce an allergic reaction. **H226 Flam. Liq. 3:** Flammable liquid and vapour. **H301 Acute tox. 3:** Toxic if swallowed. **H302 Acute tox. 4:** Harmful if swallowed. **H302+H332 Acute tox. 4:** Harmful if swallowed or if inhaled. **H314 Skin Corr. 1A:** Causes severe skin burns and eye damage. **H314 Skin Corr. 1B:** Causes severe skin burns and eye damage. **H317 Skin Sens. 1:** May cause an allergic skin reaction. **H331 Acute tox. 3:** Toxic if inhaled. **H334 Resp. Sens. 1:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. **H335 STOT SE 3:** May cause respiratory irritation. **H400 Aquatic Acute 1:** Very toxic to aquatic life. **H400 Aquatic Acute 1:** Very toxic to aquatic life. **H410 Aquatic Acute 1 Aquatic Chronic 2:** Very toxic to aquatic life with long lasting effects. **H410 Aquatic Chronic 1:** Very toxic to aquatic life with long lasting effects. **H411 Aquatic Chronic 2:** Toxic to aquatic life with long lasting effects.

### Reason of revision, changes of following items:

Sections: 2.1, 2.2, 16

### MSDS reference number:

ECM-107426,01

*This safety information sheet has been compiled in accordance with annex II/A of the regulation (EU) No 2015/830. Classification has been calculated in accordance with European regulation 1272/2008 with their respective amendments. It has been compiled with the utmost care. We cannot, however, accept responsibility for damage, of any kind, that may be caused by*



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