Completed	24-04-2023
Revision: (date)	22-06-2023
SDS version	1.1

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

# **1.1. Product Identifier**Trade Name:SpraymalingProduct- no.:-

-UGGA-QVA4-E205-3W9J

1.2. Relevant identified uses of the substance or mixture and uses advised against *Recommended uses:* Paint.

#### Uses advised against:

UFI:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet Company and address: Mcm Tapperiet ApS Ribe-Vejle Landevej 74A DK-6622 Bække

Contact person and E-mail: Michael Nielsen, Michael@mcm-tapperiet.dk

The Safety data sheet is completed and validated by: Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

#### 1.4. Emergency telephone number

Use your national or local emergency number - See section 4 "First aid measures".

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

CLP (1272/2008): Aerosol 1;H222, H229 Eye Irrit. 2;H319 STOT SE 3;H336 EUH 066

See full text of H-phrases in section 16.

2.2. Label elements



Signal word: Danger

Extremely flammable aerosol. (H222) Pressurised container: May burst if heated. (H229) Causes serious eye irritation. (H319) May cause drowsiness or dizziness. (H336) Repeated exposure may cause skin dryness or cracking. (EUH 066) Contains 12-hydroxy-N- [6- (12-hydroxyoctadecanamido) hexyl] octadecanamid. May produce an allergic reaction. (EUH 208)

If medical advice is needed, have product container or label at hand. (P101) Keep out of reach of children. (P102) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Do not spray on an open flame or other ignition source. (P211) Do not pierce or burn, even after use. (P251) If eye irritation persists: Get medical advice/attention. (P337 + P313) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. (P410 + P412) Dispose of contents/container in accordance with local regulation. (P501)

#### 2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

Additional labelling:

Additional warnings

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

#### 3.1./3.2. Substances/Mixtures EU-Index no. / Substance CAS-no. EINECS-no. **CLP-classification** Wt/Wt % Note REACH-Reg. no. Acetone 606-001-00-8 / 01-67-64-1 200-662-2 Flam. Liq. 2;H225, Eye Irrit. 2;H319, 30-70 2119471330-49-STOT SE 3;H336, EUH 066 XXXX n-Butylacetate 607-025-00-1 / 01-123-86-4 204-658-1 Flam. Liq. 2;H225, Eye Irrit. 2;H319, 15-30 1 STOT SE 3:H336, EUH 066 2119485493-29xxxx 607-026-00-7 / 01-110-19-0 203-754-1 Flam. Liq. 2;H225, STOT SE 3;H336, 15-30 Isobutylacetate 2119488971-22 EUH 066 606-002-00-3 / 01- 78-93-3 201-159-0 Flam. Liq. 2;H225, Eye Irrit. 2;H319, <10 Ethylmethylketone 1 2119457290-43-STOT SE 3;H336, EUH 066 xxxx Hydrocarbons, C7--/01-2119473851-920-750-0 Flam. Liq. 2;H225, Asp. Tox. 1;H304, <5 1 STOT SE 3;H336, Aquatic Chronic C9, n-alkanes, 33-xxxx isoalkanes, cyclics 2;H411 Xylene 601-022-00-9 / 01-1330-20-7 215-535-7 Flam. Liq. 3;H226, Asp. Tox. 1;H304, <1 1 2119488216-32-Acute Tox. 4;H312, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Acute Tox. 4;H332, XXXX STOT SE 3;H336 12-hydroxy-N- [6- (12- - / 01-0000018057-434-430-9 Skin Sens. 1;H317, Aquatic Chronic <1 hydroxyoctadecanami 71 2:H411 do) hexyl] octadecanamid Isobutane 601-004-00-0 / 01- 75-28-5 200-857-2 Flam. Gas 1;H220, Press. Gas 1;H280 0-30 2119485395-27-XXXX 601-003-00-5 / 01-Propane 74-98-6 200-827-9 Flam. Gas 1;H220, Press. Gas 1;H280 0-30 2119486944-21хххх Butane 601-004-00-0 / 01-106-97-8 203-448-7 Flam. Gas 1;H220, Press. Gas 1;H280 0-30 2119474691-32хххх

1) The substance is an organic solvent.

See full text of H-phrases in section 16.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

*Inhalation:* Seek fresh air. Keep victim under observation. Seek medical advice in case of discomfort.

#### Ingestion:

In case of spray mist in the mouth: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.

#### Skin contact:

Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of discomfort.

#### Eye contact:

Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

#### Burns:

Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

#### Additional information:

When obtaining medical advice, show the safety data sheet or label.

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

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens. May cause drowsiness or dizziness.

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

Show this safety data sheet to the doctor in attendance.

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water stream, as it may spread the fire.

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

Extremely flammable aerosol. CAUTION! Aerosol containers may explode. Avoid inhalation of vapour and fumes – seek fresh air. Hazardous fumes are formed in fire conditions. Exposure to decomposition products may cause a health hazard. Use water to cool containers exposed to fire.

#### 5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

#### **SECTION 6: Accidental release measures**

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

See section 8 for type of protective equipment.

Avoid breathing and contact with skin and eyes.

#### 6.2. Environmental precautions

Not relevant.

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

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

#### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

#### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment. Use the product under well-ventilated conditions. Running water and eye wash equipment should be available.

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

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50 °C.

Store cold, but frost-free.

Store in accordance with local fire authority regulations.

## 7.3. Specific end use(s)

See application section 1.

Oral - Chronic Systemic

#### SECTION 8: Exposure controls/personal protection

Occupational exposure limits: Substance	Long-term	Short-term	Note
oussiance	exposure limit	exposure limit	Note
	ppm / mg/m <sup>3</sup>	ppm / mg/m <sup>3</sup>	
Acetone	500 / 1210	-/-	-
n-Butylacetat	50 / 241	150 / 723	
Isobutylacetat	50 / 241	150 / 723	-
Ethylmethylketon	200 / 600	300 / 900	-
Xylen	50 / 221	100 /442	-
Propan			
Butan			
DNEL/PNEC-values:			
DNEL Acetone	Workers		Consu
Inhalation - Chronic Systemic	1210 mg/m <sup>3</sup>		200 mg
Inhalation - Acute Local	2420 mg/m <sup>3</sup>		- 0
Dermal - Chronic Systemic	186 mg/kg bw/day		62 mg/l
Oral - Chronic Systemic	-		62 mg/l
DNEL n-Butylacetate			
	Workers		Consu
Inhalation - Chronic Systemic	300 mg/m <sup>3</sup>		35,7 mg
Inhalation - Acute Systemic	600 mg/m <sup>3</sup>		300 mg
Inhalation - Chronic Local	300 mg/m <sup>3</sup>		35,7 mg
Inhalation - Acute Local	600 mg/m <sup>3</sup>		300 mg
Dermal - Chronic Systemic	11 mg/kg bw/day 11 mg/kg bw/day		6 mg/kg 6 mg/kg
Dermal - Acute Systemic Oral - Chronic Systemic	TT Hig/kg bw/day		2 mg/kg
Oral - Acute Systemic	-		2 mg/kg 2 mg/kg
DNEL Isobutylacetate			
2	Workers		Consu
Inhalation - Chronic Systemic	300 mg/m³		35,7 mg
Inhalation - Acute Systemic	600 mg/m <sup>3</sup>		300 mg
Inhalation - Chronic Local	300 mg/m³		35,7 mg
Inhalation - Acute Local	600 mg/m³		300 mg
Dermal - Chronic Systemic	10 mg/kg bw/day		5 mg/kg
Dermal - Acute Systemic	10 mg/kg bw/day		5 mg/kg
Oral - Chronic Systemic	-		5 mg/kg
Oral - Acute Systemic	-		495 mg
DNEL Ethylmethylketone	Workers		Consu
Inhalation Chronic Systemic	600 mg/m <sup>3</sup>		106 mg
Inhalation - Chronic Systemic Inhalation - Acute Systemic	900 mg/m <sup>3</sup>		450 mg
Dermal - Chronic Systemic	1161 mg/kg bw/day	/	412 mg
Oral - Chronic Systemic	-	,	31 mg/l
DNEL Hydrocarbons, C7-C9, n-alk	anes, isoalkanes, cyclics	5	
	Workers		Consu
Inhalation - Chronic Systemic	2035 mg/m <sup>3</sup>		608 mg
Dermal - Chronic Systemic	773 mg/kg bw/day		699 mg
Oral - Chronic Systemic	-		600 mg

#### umers g/m³

/kg bw/day /kg bw/day

#### umers

ng/m³ g/m³ ng/m³ g/m³ kg bw/day kg bw/day kg bw/day kg bw/day

#### umers

ng/m³ g/m³ ng/m³ Ig/m³ kg bw/day kg bw/day kg bw/day g/kg bw/day

#### umers

g/m³ g/m³ g/kg bw/day /kg bw/day

#### umers

608 mg/m<sup>3</sup> 699 mg/kg bw/day 699 mg/kg bw/day

#### DNEL Xylene

DIVEL AVIENCE		-
	Workers	Consumers
Inhalation - Chronic Systemic	221 mg/m <sup>3</sup>	65,3 mg/m³
Inhalation - Acute Systemic	442 mg/m <sup>3</sup>	260 mg/m <sup>3</sup>
Inhalation - Chronic Local	221 mg/m <sup>3</sup>	65,3 mg/m <sup>3</sup>
Inhalation - Acute Local	442 mg/m <sup>3</sup>	260 mg/m <sup>3</sup>
Dermal - Chronic Systemic	212 mg/kg bw/day	125 mg/kg bw/day
Oral - Chronic Systemic	-	12,5 mg/kg bw/day
DNEL 12-hydroxy-N- [6- (12-hydroxyoct	adecanamido) hexyl] octadecanamid	
	Workers	Consumers
Inhalation - Chronic Systemic	35,24 mg/m <sup>3</sup>	8,69 mg/m <sup>3</sup>
Inhalation - Acute Systemic	35,24 mg/m <sup>3</sup>	8,69 mg/m <sup>3</sup>
Dermal - Chronic Systemic	10 mg/kg bw/day	5 mg/kg bw/day
Dermal - Acute Systemic	10 mg/kg bw/day	5 mg/kg bw/day
Oral - Chronic Systemic	-	5 mg/kg bw/day
Oral - Acute Systemic	-	5 mg/kg bw/day
		- <u></u> . <u>.</u> ,
PNEC Acetone		
Fresh water	10,6 mg/L	
Intermittent releases (Fresh water)	21 mg/L	
Marine water	1,06 mg/L	
Soil	29,5 mg/kg soil dw	
PNEC n-Butylacetate		
Fresh water	0,18 mg/L	
Intermittent releases (Fresh water)	0,36 mg/L	
Marine water	0,018 mg/L	
Soil	0,09 mg/kg soil dw	
801	0,00 mg/kg 30n dw	
PNEC Isobutylacetate		
Fresh water	0,17 mg/L	
	0,34 mg/L	
Intermittent releases (Fresh water)		
Marine water	0,017 mg/L	
Soil	0,075 mg/kg soil dw	
PNEC Xylene		
	0.007 //	
Fresh water	0,327 mg/L	
Intermittent releases (Fresh water)	0,327 mg/L	
Marine water	0,327 mg/L	
Soil	2,31 mg/kg soil dw	
PNEC 12-hydroxy-N- [6- (12-hydroxyoct	adecanamido) hexyl] octadecanamid	
Fresh water	0,2 mg/L	
Intermittent releases (Fresh water)	0,18 mg/L	
Marine water	0,02 mg/L	
Soil	171,5 mg/kg soil dw	
8.2. Exposure controls		
There are no exposure scenarios for this p	roduct.	
• • · · · · · ·		

Appropriate engineering controls: Wear the personal protective equipment specified below. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke when using this product.

#### Personal protective equipment:



#### Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with filter AX/P2.

#### Hand protection:

Wear protective gloves made of nitrile rubber. Type of material and thickness: >0,11 mm Penetration time: >480 min

#### Eye/face protection:

Wear safety goggles/face protection.

#### Skin protection:

Generally not required. Recommended: Special work clothing should be used.

#### Environmental exposure controls:

Ensure compliance with local regulations for emissions.

#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties	
Physical state:	Aerosol
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm2/s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-
9.2. Other information	
None.	

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity No data.

#### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

#### **10.3. Possibility of hazardous reactions** None known.

#### **10.4. Conditions to avoid** Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

#### **SECTION 11: Toxicological information**

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

Acute toxicity:

Based on the existing of				<b>B</b> 14
Substance	exposure	Species	Test	Result
Acetone	Oral	Rat	LD50	5800 mg/kg bw
n-Butylacetate	Oral	Rat	LD50	10760 mg/kg bw
n-Butylacetate	Dermal	Rat	LD50	> 14112 mg/kg bw
Isobutylacetate	Oral	Rat	LD50	13413 mg/kg bw
Isobutylacetate	Dermal	Rabbit	LD50	> 17400 mg/kg bw
Ethylmethylketone	Oral	Rat	LD50	2054 mg/kg
Ethylmethylketone	Dermal	Rabbit	LD50	> 10 mL/kg bw
Hydrocarbons, C7- C9, n-alkanes, isoalkanes, cyclics	Oral	Rat	LD50	> 8 mL/kg bw
Hydrocarbons, C7- C9, n-alkanes, isoalkanes, cyclics	Inhalation	Rat	LC50/ 4 Hours	> 23,3 mg/L air
Hydrocarbons, C7- C9, n-alkanes, isoalkanes, cyclics	Dermal	Rat	LD50	> 2800 - 3100 mg/kg bw
Xylene	Oral	Rat	LD50	3523 mg/kg bw
Xylene	Inhalation	Rat	LC50/ 4 Hours	6350 ppm
12-hydroxy-N- [6- (12- hydroxyoctadecanami do) hexyl]	Oral	Rat	LD50	> 2000 mg/kg bw
12-hydroxy-N- [6- (12- hydroxyoctadecanami do) hexyl]	Dermal	Rat	LD50	> 2000 mg/kg bw
Isobutane	Inhalation	Rat	LC50/ 0,25 Hours	1443 mg/L air
Butane	Inhalation	Rat	LC50/ 0,25 Hours	1443 mg/L air

#### Skin corrosion/irritation:

May irritate the skin - may cause reddening.

Can be absorbed through the skin causing symptoms such as dizziness and headache.

#### Serious eye damage/irritation:

Irritating to eyes. Causes a burning sensation and tearing.

#### Respiratory or skin sensitisation:

Contains 12-hydroxy-N- [6- (12-hydroxyoctadecanamido) hexyl] octadecanamid. May produce an allergic reaction.

#### Germ cell mutagenicity:

Based on the existing data, the classification is not met.

#### Carcinogenicity:

Based on the existing data, the classification is not met.

#### Reproductive toxicity:

Based on the existing data, the classification is not met.

#### STOT-single exposure:

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

#### STOT-repeated exposure:

Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

#### Aspiration hazard:

Based on the existing data, the classification is not met.

#### 11.2. Information on other hazards

Test data are not available.

### **SECTION 12: Ecological information**

12.1. Toxicity				
Substance	Test duration	Species	Test	Result
Acetone	96 Hours	Fish	LC50	6210 mg/L
Acetone	48 Hours	Daphnia	LC50	8800 mg/L
n-Butylacetate	96 Hours	Fish	LC50	18 mg/L
n-Butylacetate	48 Hours	Daphnia	EC50	44 mg/L
n-Butylacetate	72 Hours	Algae	EC50	397 mg/L
Isobutylacetate	96 Hours	Fish	LC50	16,6 mg/L
Isobutylacetate	48 Hours	Daphnia	EC50	24,6 mg/L
Isobutylacetate	72 Hours	Algae	EC50	246 mg/L
Ethylmethylketone	96 Hours	Fish	LC50	2993 mg/L
Ethylmethylketone	48 Hours	Daphnia	EC50	308 mg/L
Ethylmethylketone	72 Hours	Algae	EC50	1200 mg/L
12-hydroxy-N- [6- (12-	96 Hours	Fish	LC50	> 0,1 mg/L
hydroxyoctadecanami				
do) hexyl]				
Isobutane	96 Hours	Fish	LC50	49,9 mg/L
Isobutane	48 Hours	Daphnia	LC50	69,43 mg/L
Isobutane	96 Hours	Algae	EC50	19,37 mg/L
12.2. Persistence and	• •	_		
Substance	Biodegradability	Test		Result
Acetone	Yes	OECD Guideline 301	IB	28 Days 90,9%
n-Butvlacetate	Yes	OECD Guideline 301		28 Days 83 %

n-Butylacetate	Yes	OECD Guideline 301 D	28 Days 83 %
Isobutylacetate	Yes	OECD Guideline 301 D	20 Days 81%
Ethylmethylketone	Yes	OECD Guideline 301 D	28 Days 98%
Xylene	Yes	OECD Guideline 301 F	28 Days 98%
12-hydroxy-N- [6- (12-	No	OECD Guideline 301 B	28 Days 7%
hydroxyoctadecanami			
do) hexyl]			
Isobutane	Yes	Gas exchange-biodegradation	385,5 Hours 100%
Butane	Yes	Gas exchange-biodegradation	385,5 Hours 100%

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Acetone	No	-0,23
n-Butylacetate	No	2,3
Isobutylacetate	No	2,3
Ethylmethylketone	No	0,3
Xylene	Yes	3,15
12-hydroxy-N- [6- (12-	Yes	>6,5
hydroxyoctadecanami do) hexyl]		
Isobutane	No	2,8
Butane	No	2,8

#### 12.4. Mobility in soil

Test data are not available.

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

The product does not meet the criteria for PBT or vPvB.

#### 12.6. Endocrine disrupting properties

Test data are not available.

# **12.7. Other adverse effects** None.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
16 05 04	Gases in pressure containers (including halons) containing hazardous substances

#### Specific labelling:

#### Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

#### **SECTION 14: Transport information**

The product is covered by the rules for transport of dangerous goods.

#### 14.1 -14.4. ADR

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
1950	AEROSOLS	2.1	-

#### IMDG/IATA

14.1. UN number or	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing
ID number			group
1950	AEROSOLS	2.1	-

#### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

EMS: F-D, S-U

14.7. Maritime transport in bulk according to IMO instruments Not relevant.

#### **SECTION 15: Regulatory information**

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

#### Sources:

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### Additional labelling:

#### Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training. Special care should be applied for pregnant and lactating women.

#### Demands for specific education:

**15.2. Chemical safety assessment** None.

### **SECTION 16: Other information**

According to EU regulation 1907/2006 (REACH)

#### Other information:

Sources: EC regulation 1907/2006 (REACH), with amendments. EC Regulation 1272/2008 (CLP), with amendments. EU regulation no. 276/2010 Directive 2008/98/EC ECHA - The European Chemicals Agency

#### Full text of H-phrases as mentioned in section 2+3:

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH 066	Repeated exposure may cause skin dryness or cracking.
EUH 208	Contains 12-hydroxy-N- [6- (12-hydroxyoctadecanamido) hexyl] octadecanamid. May produce an allergic reaction.

#### Classification according to Regulation (EC) Nr. 1272/2008:

Aerosol 1;H222, H229	Expert judgement
Eye Irrit. 2;H319	Calculation method
STOT SE 3;H336	Calculation method
EUH 066	Calculation method

#### Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

#### Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

#### Minor changes have been made in following sections:

*This material safety data sheet replaces version:* 1.0