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Revision Number 1

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

### 1.1. Product identifier

Product Identifier C-90235383-001\_PGP\_CLPR7\_EUR

Product Name Flash Professional disinfecting cleaner for food surfaces

Product Form Mixture

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

Recommended Use Restricted to professional users

Uses advised against No information available

Main user category SU 22 - Professional uses

Product category Biocide All purpose cleaner

Use category PC35 - Washing and cleaning products (including solvent based products) PC8 - Biocidal Products (e.g. disinfectants, pest control)

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

Manufacturer	Supplier
Farmol S. p. A. Verdella 3 24040 Comun Nuovo, BG Italy	Procter & Gamble UK Brooklands PGP, Weybridge, Surrey, KT13 0XP, UK Tel: 01932 896000 Fax: 01932 896200

For further information, please contact

E-mail address customerservice@pgprof.com

### 1.4. Emergency telephone number

Emergency Telephone (UK) Emergency Tel: 0800 328 8304 (IRL) Emergency Tel: 1800 509 497

(IRL) Poisons information: for information or to report a poisoning incident contact The National Poisons Information Centre 01 8092166  
(8.00 a.m. to 10.00 p.m. 7 days a week)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Regulation (EC) No 1272/2008**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### Precautionary Statements - EU (§28, 1272/2008)

P260 - Do not breathe spray

P501 - Dispose of contents/container to an appropriate local waste system

EUH210 - Safety data sheet available on request

### 2.3. Other hazards

No information available.

**Endocrine Disruptor Information** There are no substances contained at or above the regulated value for declaration of >0.1% that fall under the definition of confirmed endocrine disruptors of any EU regulation.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	CAS No	weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Didecyldimonium Chloride	7173-51-5	<1	01-21199459 87-15	230-525-2	Acute Tox. 3 (Oral)(H301) Skin Corr. 1B(H314) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	-	10	-
Lauramine Oxide	308062-28-4	<1	01-21194900 61-47	931-292-6	Acute Tox. 4 (Oral)(H302) Skin Irrit. 2(H315) Eye Dam. 1(H318) Aquatic Acute 1(H400) Aquatic Chronic 2(H411)	-	1	-

Full text of H- and EUH-phrases: see section 16

### Acute Toxicity Estimate

No information available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. (Call a physician if symptoms occur).

<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

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

<b>Symptoms</b>	Coughing and/or wheezing. Redness. Swelling of tissue. Itching. Dryness. Pain. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive secretion. Sneezing. Blurred vision.
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**4.3. Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

<b>Suitable Extinguishing Media</b>	Dry chemical. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ).
<b>Large Fire media</b>	CAUTION: Use of water spray when fighting fire may be inefficient. <b>Unsuitable extinguishing media</b> Do not scatter spilled material with high pressure water streams.

**5.2. Special hazards arising from the substance or mixture** **Specific hazards arising from the chemical** None in particular.

**5.3. Advice for firefighters**

<b>Special protective equipment for firefighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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**SECTION 6: Accidental release measures**

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

Ensure adequate ventilation.	
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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**6.3. Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Scoop absorbed substance into closing containers.
<b>Methods for cleaning up</b>	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small quantities of liquid spill: Large Spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.
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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

<b>Advice on safe handling</b>	Do not eat, drink or smoke when using this product.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

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

<b>Storage Conditions</b>	Keep/store only in original container. Keep tightly closed in a dry and cool place.
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**7.3. Specific end use(s)**

**Specific use(s)**

Cleaning/washing agents and additives.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

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

**8.1. Control parameters**

**Exposure Limits**

**Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** Long term.

Chemical name	Worker - dermal, long-term - systemic	Worker - inhalative, long-term - systemic	Worker - dermal, long-term - local	Worker - inhalative, long-term - local
Ethanolamine	3 mg/kg bw/day	1 mg/m <sup>3</sup>	-	0.51 mg/m <sup>3</sup>
Lauramine Oxide	11 mg/kg bw/day	6.2 mg/m <sup>3</sup>	-	-
Chemical name	Consumer - oral, long-term - local	Consumer - inhalative, long-term - local	Consumer - dermal, long-term - local	
Ethanolamine	-	0.28 mg/m <sup>3</sup>	-	
Chemical name	Consumer - oral, long-term - systemic	Consumer - inhalative, long-term - systemic	Consumer - dermal, long-term - systemic	
Ethanolamine	1.5 mg/kg bw/day	0.18 mg/m <sup>3</sup>	1.5 mg/kg bw/day	
Lauramine Oxide	0.44 mg/kg bw/day	1.53 mg/m <sup>3</sup>	5.5 mg/kg bw/day	

**Predicted No Effect Concentration**

**(PNEC)**

Chemical name	Fresh Water		Marine water		Intermittent release	
Ethanolamine	0.07 mg/L		0.007 mg/L		0.028 mg/L	
Didecyldimonium Chloride	0.0011 mg/L		0.00011 mg/L		0.00021 mg/L	
Lauramine Oxide	0.034 mg/L		0.003 mg/L		0.034 mg/L	
Chemical name	Freshwater sediment	Marine sediment	Sewage treatment plant	Soil	Air	Oral
Ethanolamine	0.357 mg/kg sediment dw	0.036 mg/kg sediment dw	100 mg/L	1.29 mg/kg soil dw	-	-
Didecyldimonium Chloride	61.86 mg/kg sediment dw	6.186 mg/kg sediment dw	0.14 mg/L	1.4 mg/kg soil dw	-	-
Lauramine Oxide	5.24 mg/kg sediment dw	0.524 mg/kg sediment dw	24 mg/L	1.02 mg/kg soil dw	-	-

**8.2. Exposure controls**

**Personal Protective Equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Hand protection**

No special protective equipment required.

**Skin and body protection**

No special protective equipment required.

<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	Prevent that the undiluted product reaches surface waters.

**SECTION 9: Physical and chemical properties**

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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Liquid
<b>Color</b>	colored
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting Point / Freezing Point</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Initial boiling point and boiling range</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Flammability</b>		Not applicable. This property is not relevant for liquid product forms
<b>Flammability Limit in Air</b>		Not available. This property is not relevant for the safety and classification of this product
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>flash point</b>	No Flash to Boiling (NFTB)	
<b>Autoignition temperature</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Decomposition temperature</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>pH</b>	11 - 11.2	
<b>Dynamic Viscosity</b>	1 mPa s	
<b>Water solubility</b>	Soluble in water	
<b>Solubility(ies)</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Partition coefficient</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Vapor pressure</b>	No Data Available	Not available. This property is not relevant for the safety and classification of this product
<b>Relative density</b>	1 - 1.2	
<b>Relative vapor density</b>	No data available	Not available. This property is not relevant for the safety and classification of this product
<b>Particle characteristics</b>		Not available. This property is not relevant for the safety and classification of this product
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

## 9.2. Other information

### **9.2.1. Information with regard to physical hazard classes**

Not applicable

### **9.2.2. Other safety characteristics**

No information available

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

### **10.1. Reactivity**

**Reactivity** No information available.

### **10.2. Chemical stability**

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### **10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

### **10.4. Conditions to avoid**

**Conditions to avoid** None known based on information supplied.

### **10.5. Incompatible materials**

**Incompatible materials** None known based on information supplied.

### **10.6. Hazardous decomposition products**

**Hazardous Decomposition Products** None known based on information supplied.

## **SECTION 11: Toxicological information**

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

#### **Information on likely routes of exposure**

##### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

#### **Numerical measures of toxicity**

##### **Acute toxicity**

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
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1-Decanaminium, N-decyl-N,N-dimethyl-, chloride (1:1)		264 mg/kg bw (OECD 401)		3342 mg/kg bw		-	
Lauramine Oxide		1064 mg/kg bw (OECD 401)		> 2000 mg/kg bw (OECD 402)		-	
Chemical name	Carcinogenicity	Species	Eye Damage	Species	Developmental toxicity	Species	Mutagenicity
Ethanolamine	-	-	Y (OECD 405)	-	-	-	-
Didecyl-dimonium Chloride	-	-	Y	-	-	-	-
Lauramine Oxide	-	-	Y (OECD 405)	-	-	-	-
Chemical name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species	
Ethanolamine	-	-	Y (OECD 404)	-	-	-	
Chemical name	Reproductive toxicity	Species	Skin corrosion/irritation	Species	Sensitization	Species	
Didecyl-dimonium Chloride	-	-	Y (OECD 404)	-	-	-	
Lauramine Oxide	-	-	Y (OECD 404)	-	-	-	

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

No information available.

**Carcinogenicity**

**Reproductive toxicity** No information available.

No information available.

**STOT - single exposure**

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**11.2.2. Other information**

**Other adverse effects** No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity** Not considered to be harmful to aquatic life. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.

**Unknown aquatic toxicity** Contains 0.05552 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride (1:1)	0.062 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	0.49 mg/L (OECD 203; Danio rerio; 96 h)	5.95 mg/l (OECD 209; activated sludge; static; 3 h)	0.029 mg/L (OECD 202; Daphnia magna; 48 h)
Lauramine Oxide	0.266 mg/L (OECD 201; Pseudokirchneriella subcapitata; 72 h)	2.67 mg/L (Pimephales promelas; 96 hr)	24 mg/L (Pseudomonas putida; 18 h)	3.1 mg/L (OECD 202; Daphnia magna; 48 h)

**Chronic Toxicity**

Chemical name	Toxicity to algae (NOEC or ECx)*	Toxicity to fish (NOEC or ECx)*	Toxicity to daphnia and other aquatic invertebrates (NOEC or ECx)*	Toxicity to Microorganisms (NOEC or ECx)*	Toxicity to other organisms
Ethanolamine	1 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	1.24 mg/L (OECD 210; Oryzias latipes; 41 d)	0.85 mg/L (OECD 202; Daphnia magna; 21 d)	-	-
Didecyldimonium Chloride	0.013 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	-	0.021 mg/L (OECD 211; Daphnia magna; 21 d)	-	125 mg/kg soil dw (OECD 222 and BBA guideline, 1994; Eisenia fetida; based on active ingredient; 55 d)
Lauramine Oxide	0.078 mg/L (OECD 201; Pseudokirchneriella subcapitata; 3 d)	0.42 mg/L (Pimephales promelas; 302 d)	0.7 mg/L (OECD 211; Daphnia magna; 21 d)	-	-

**12.2. Persistence and degradability**

**Persistence and degradability**

Chemical name	Ready Biodegradation Test (OECD 301)	Abiotic Degradation Hydrolysis	Abiotic Degradation Photolysis	Biodegradation Other Tests
Ethanolamine	> 90%; DOC; OECD 301 A; 21 d)	-	-	> 70 % (OECD 301 F; aerobic; activated sludge, domestic, non-adapted; no information provided regarding 10 d window criteria)
Didecyldimonium Chloride	71%CO <sub>2</sub> ; OECD 301 B; 28 d	-	-	t1/2: 100 d (Guideline not indicated; method: Technical Assistance Document 3.12 of the Environmental Assessment Handbook, FDA; aerobic; in loam soil)
Lauramine Oxide	90% CO <sub>2</sub> ; OECD 301 B; 28 d	-	-	90% CO <sub>2</sub> ; OECD 301 B; > 60% (10 d)

**12.3. Bioaccumulative potential**

**Bioaccumulation**

There is no data for this product.

**Component Information**

Chemical name	Partition coefficient	
Didecyldimonium Chloride	-0.4 - 2.58	
Chemical name	Octanol/water partition coefficient	Bioconcentration factor (BCF)
Ethanolamine	-2.3	9.2 L/kg
Didecyldimonium Chloride	2.59 (OECD 105)	-
Lauramine Oxide	0.95 - 2.69	-

**12.4. Mobility in soil**

**Mobility in soil**

No information available.

Chemical name	log Koc
Ethanolamine	>= 221 - <= 491 L/kg
Didecyldimonium Chloride	280547 L/kg (OECD 106)
Lauramine Oxide	307

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

**PBT and vPvB assessment** No information available.

Chemical name	PBT and vPvB assessment
Didecyldimonium Chloride	The substance is not PBT / vPvB
Lauramine Oxide	The substance is not PBT / vPvB

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**12.7. Other adverse effects** No

information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste from residues/unused products**

The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. Waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. Empty, uncleaned packaging need the same disposal considerations as filled packaging. For handling waste, see measures described in section 8. Dispose of in accordance with local regulations.

**Contaminated packaging**

Do not reuse empty containers.

**Waste codes / waste designations according to EWC / AVV**

20 01 29\* - detergents containing dangerous substances  
 15 01 10\* - packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information**

**IATA**

- 14.1 UN number or ID number Not regulated
- 14.2
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable
- 14.6 Special precautions for user

**IMDG**

- 14.1 UN number or ID number Not regulated
- 14.2
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable 14.6
- Special precautions for user
- 14.7 Maritime transport in bulk according to IMO instruments No information available

**RID**

- 14.1 UN number or ID number Not regulated
- 14.2
- 14.3 Transport hazard class(es) Not regulated
- 14.4 Packing group Not regulated
- 14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions None

**ADR**

14.1 UN number or ID number Not regulated

14.2

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

Special Provisions None

**ADN**

14.1 UN number or ID number Not relevant

14.2

14.3 Transport hazard class(es) No information available

14.4 Packing group Not relevant

14.5 Marine pollutant Not regulated

**SECTION 15: Regulatory information**

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

**National regulations**

**France**

Occupational Illnesses (R-463-3, France)

**Germany**

Water hazard class (WGK) non-hazardous to water (nwg)

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) Regulation (EC) No. 648/2004 (Detergents regulation) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP] Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006) Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Didecyldimonium Chloride	75.	-

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

This product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 689/2008 - Annex Number
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride (1:1) - 7173-51-5	I.1

Ozone-depleting substances (ODS) regulation (EC) 1005/2009  
Not applicable

**EU - Biocides**

Chemical name	EU - Biocides
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride (1:1) - 7173-51-5	Product-type 8: Wood preservatives

**CESIO Recommendations** The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer

**15.2. Chemical safety assessment**

**Chemical Safety Report** No chemical safety assessment has been carried out for this mixture per REACH regulation

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

- H301 - Toxic if swallowed
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H400 - Very toxic to aquatic life
- H411 - Toxic to aquatic life with long lasting effects

**Legend** SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Issuing Date:** 08-Jun-2022

**Revision date** 08-Jun-2022

**Further information** Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 **Disclaimer**  
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**