

		UNOX S.p.A.		Revision n. 3 Dated 16/01/2023 Printed on 16/01/2023 Page n. 1/18 Replaced version 2 (Printed on: 14/09/2019)								
SPRAY & RINSE												
Safety Data Sheet According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH												
SECTION 1. Identification of the substance/mixture and of the company/undertaking												
1.1. Product identifier Code: DB1044A0 Product name: SPRAY&RINSE UFI: Y300-F0DR-8009-A4V4												
1.2. Relevant identified uses of the substance or mixture and uses advised against Intended use: Oven cleaner; detergent for cooking surfaces. <table><tr><th>Identified Uses</th><th>Industrial</th><th>Professional</th><th>Consumer</th></tr><tr><td>Detergent for ovens and cooking surfaces.</td><td>-</td><td>ERC: 8a, PROC: 10, 11, 13, 8a, PC: 35, LCS: PW.</td><td>-</td></tr></table>					Identified Uses	Industrial	Professional	Consumer	Detergent for ovens and cooking surfaces.	-	ERC: 8a, PROC: 10, 11, 13, 8a, PC: 35, LCS: PW.	-
Identified Uses	Industrial	Professional	Consumer									
Detergent for ovens and cooking surfaces.	-	ERC: 8a, PROC: 10, 11, 13, 8a, PC: 35, LCS: PW.	-									
Uses Advised Against Any use other than those identified.												
1.3. Details of the supplier of the safety data sheet <table><tr><td>Name: Unox S.p.A. Full address: Via Maiorana, 22 District and Country: 35010 Cadonogno (Padova) Italia tel. +39 049 86 57 511 fax +39 049 86 57 555</td><td>Hartnoll Ltd. Unit 15 The Empire Centre Imperial Way Walford WD24 4YH tel. 01923 239 290</td></tr></table>					Name: Unox S.p.A. Full address: Via Maiorana, 22 District and Country: 35010 Cadonogno (Padova) Italia tel. +39 049 86 57 511 fax +39 049 86 57 555	Hartnoll Ltd. Unit 15 The Empire Centre Imperial Way Walford WD24 4YH tel. 01923 239 290						
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1.4. Emergency telephone number For urgent inquiries refer to <table><tr><td>3E Tel. (+1)-760-476-3961 Tel. (+D-800-680-0425 (UK) Access code: 334577 24h/24h</td><td></td></tr></table>					3E Tel. (+1)-760-476-3961 Tel. (+D-800-680-0425 (UK) Access code: 334577 24h/24h							
3E Tel. (+1)-760-476-3961 Tel. (+D-800-680-0425 (UK) Access code: 334577 24h/24h												
SECTION 2. Hazards identification												
2.1. Classification of the substance or mixture The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet. <table><tr><td>Hazard classification and indication: Serious eye damage, category 1 Skin irritation, category 2</td><td>H318 H315</td><td>Causes serious eye damage. Causes skin irritation.</td></tr></table>					Hazard classification and indication: Serious eye damage, category 1 Skin irritation, category 2	H318 H315	Causes serious eye damage. Causes skin irritation.					
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2.2. Label elements				
Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.				
Hazard pictograms:				
				
Signal words:		Danger		
Hazard statements:				
H318	Causes serious eye damage.			
H315	Causes skin irritation.			
Precautionary statements:				
P280	Wear protective gloves / eye protection / face protection.			
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
P310	Immediately call a POISON CENTER.			
Contains:				
2-AMINOETHANOL UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) POLYOXY-1,2-ETHANEDIYL, ALPHA, -(CARBOXYMETHYL)-OMEGA, -(HEXYLOXY)-(3EO)				
Ingredients according to Regulation (EC) No. 648/2004				
Less than 5% anionic surfactants				
5% or over but less than non-ionic surfactants				
15%				
perfumes, Benzyl Benzoate, Limonene				
Preservation agents: phenoxethanol				
2.3. Other hazards				
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.				
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0,1%.				
SECTION 3. Composition/information on ingredients				
3.2. Mixtures				
Contains:				
Identification		x = Conc. % Classification (EC) 1272/2008 (CLP)		
DIPROPYLENE GLYCOL MONOMETHYL ETHER				

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CAS 34590-94-8	1 ≤ x < 10	Substance with a community workplace exposure limit.
EC 252-104-2		
INDEX -		
REACH Reg. 01-2119450011-60C-XXXX		
2-AMINOETHANOL		
CAS 141-43-5	1 ≤ x < 4,5	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Chronic 3 H412
EC 205-483-3		LD50 Oral >1510 mg/kg, LD50 Dermal >1023 mg/kg, STA Inhalation vapours: 11 mg/l, STA Inhalation mists/powders: 1,3 mg/l
INDEX 603-030-00-8		
REACH Reg. 01-2119486455-26-XXXX		
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (≥ 2,5 EO)		
CAS 127036-24-2	1 ≤ x < 4,5	Acute Tox. 4 H302, Eye Dam. 1 H318
EC 603-182-5		LD50 Oral >300 mg/kg
INDEX -		
REACH Reg. *		
POLY(OXY-1,2-ETHANEDIYL)-,ALPHA-(CARBOXYMETHYL)-,OMEGA-(HEXYLOXY)3EO)		
CAS 105391-15-9	1 ≤ x < 2	Eye Dam. 1 H318, Skin Irrit. 2 H315
EC 600-651-6		
INDEX -		
REACH Reg. *		
N,N-DIMETHYL 3-DECENAMIDE		
CAS 1356964-77-6	1 ≤ x < 2	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Chronic 3 H412
EC 806-919-0		LD50 Oral 550 mg/kg
INDEX -		
REACH Reg. 01-2120056432-61-0000		
The full wording of hazard (H) phrases is given in section 16 of the sheet.		
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (≥ 2,5 EO)		
Exempted polymer. See article 2(9) Regulation (EC) n. 1907/2006.		
POLY(OXY-1,2-ETHANEDIYL)-,ALPHA-(CARBOXYMETHYL)-,OMEGA-(HEXYLOXY)3(EO)		
Exempted Polymer. See Article 2 (9) of Regulation (EC) No. 1907/2006.		
SECTION 4, First aid measures		
4.1. Description of first aid measures		
EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.		
SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.		
INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.		
INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.		
4.2. Most important symptoms and effects, both acute and delayed		
See section 11.		
4.3. Indication of any immediate medical attention and special treatment needed		

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Keep the safety data sheet of the preparation or, failing that, the label available for the medical personnel.		
SECTION 5, Firefighting measures		
5.1. Extinguishing media		
SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.		
5.2. Special hazards arising from the substance or mixture		
HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.		
5.3. Advice for firefighters		
GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS Normal fire fighting clothing (i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).		
SECTION 6, Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
Block the leakage if there is no hazard. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.		
6.2. Environmental precautions		
The product must not penetrate into the sewer system or come into contact with surface water or ground water.		
6.3. Methods and material for containment and cleaning up		
Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.		
6.4. Reference to other sections		
Any information on personal protection and disposal is given in sections 8 and 13.		
SECTION 7, Handling and storage		
7.1. Precautions for safe handling		

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UNOX		SPRAY & RINSE			
TLV-ACGIH	7.5	3	15	6	
Predicted no-effect concentration - PNEC					
Normal value in fresh water			0.065	mg/l	
Normal value in marine water			0.0085	mg/l	
Normal value for fresh water sediment			0.425	mg/kg ss	
Normal value for marine water sediment			0.0425	mg/kg ss	
Normal value of STP microorganisms			100	mg/l	
Normal value for the terrestrial compartment			0.035	mg/kg ss	
Health - Derived no-effect level - DNEL / DMEL					
Effects on consumers		Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local
Oral			VND	3.75 mg/kgd	
Inhalation			2 mg/m3	VND	3.3 mg/m3
Skin			VND	0.24 mg/kgd	1 mg/kgd
N,N-DIMETHYL 9-DECENAMIDE					
Predicted no-effect concentration - PNEC					
Normal value in fresh water			0.028	mg/l	
Normal value in marine water			0.0028	mg/l	
Normal value for fresh water sediment			1.541	mg/kg	
Normal value for marine water sediment			0.1541	mg/kg	
Normal value for water, intermittent release			0.028	mg/l	
Normal value of STP microorganisms			2.12	mg/l	
Normal value for the terrestrial compartment			5.3	mg/kg	
Health - Derived no-effect level - DNEL / DMEL					
Effects on consumers		Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local
Oral			2.857 mg/kg bwd		
Inhalation			10 mg/m3		40 mg/m3
Skin			2.857 mg/kg bwd		5.71 mg/kg bwd
Legend:					
(O) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.					
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.					
8.2. Exposure controls					
The use of appropriate technical measures should always take priority over personal protection equipment. Provide a good level of general ventilation in the workplace (3 to 5 air changes per hour). The individual protection devices must bear the CE marking that certifies their compliance with the regulations in force.					
Provide good general ventilation (ventilation obtained by opening doors and windows): 3-5 air / hour changes (dilution efficiency: 30%).					
HAND PROTECTION					
Use category III gloves (ref. standard EN 374). For definitive choice of gloves material consider compatibility, degradation, breakthrough time and permeation: Work gloves wear time depends upon duration and type of wear. Suitable gloves (protection factor 6, permeation time > 480 minutes), material (thickness: mm), nitrile rubber (0.35 mm), butyl rubber (0.5 mm), polychloroprene (0.5 mm), polyvinylchloride (0.5 mm).					

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SKIN PROTECTION Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing. EYE PROTECTION Wear airtight protective goggles (see standard EN 166). RESPIRATORY PROTECTION If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, tumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.			
SECTION 9. Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Properties	Value	Information	
Appearance	liquid		
Colour	colorless		
Odour	characteristic		
Odour threshold	not applicable	Reason for missing data:Not applicable to mixtures.	
Melting point / freezing point	not determined	Reason for missing data:no test available	
Initial boiling point	> 100 °C		
Flammability	not applicable (liquid product).		
Lower explosive limit	not applicable	Reason for missing data:The product does not contain substances classified as explosive.	
Upper explosive limit	not applicable	Reason for missing data:The product does not contain substances classified as explosive.	
Flash point	95 °C	Method ASTM D93	
Auto-ignition temperature	not available		
Decomposition temperature	not available		
pH	10.5-11.0	Temperature: 20 °C	
Kinematic viscosity	not determined		
Solubility	soluble in water		
Partition coefficient: n-octanol/water	not applicable		
Vapour pressure	not available		
Density and/or relative density	0.99-1.05	Temperature: 20 °C	
Relative vapour density	not available		
Particle characteristics	not applicable		
9.2. Other information			

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9.2.1. Information with regard to physical hazard classes				
Information not available				
9.2.2. Other safety characteristics				
VOC (Directive 2010/75/EU)	10.43 % - 102.76 g/litre			
Explosive properties	not applicable. None of the substances contained has functional groups associated with explosive properties.			
Oxidising properties	not applicable. None of the contained substances has functional groups associated with oxidizing properties.			
SECTION 10. Stability and reactivity				
10.1. Reactivity				
There are no particular risks of reaction with other substances in normal conditions of use.				
10.2. Chemical stability				
The product is stable in normal conditions of use and storage.				
10.3. Possibility of hazardous reactions				
No hazardous reactions are foreseeable in normal conditions of use and storage.				
2-AMINOETHANOL				
Avoid contact with: acids oxidising agents.				
10.4. Conditions to avoid				
None in particular. However the usual precautions used for chemical products should be respected.				
2-AMINOETHANOL				
Avoid contact with: acids oxidising agents.				
10.5. Incompatible materials				
2-AMINOETHANOL				
Incompatible materials: mild steel,copper,copper alloys.				
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2.5 EO)				
Avoid contact with: oxidising agents,strong acids.				
10.6. Hazardous decomposition products				
2-AMINOETHANOL				
In decomposition develops: carbon oxides,nitric oxide,nitrous gases.				
SECTION 11. Toxicological information				
In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.				

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It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Dermal, inhalation.

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

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - mists / powders) of the mixture:

> 5 mg/l

ATE (Inhalation - vapours) of the mixture:

> 20 mg/l

ATE (Inhalation - gas) of the mixture:

0,0 mg/l

ATE (Oral) of the mixture:

>2000 mg/kg

ATE (Dermal) of the mixture:

>2000 mg/kg

DIPROPYLENE GLYCOL MONOMETHYL ETHER

LD50 (Dermal):

9500 mg/kg rabbit

LD50 (Oral):

5660 mg/kg rat

2-AMINOETHANOL

LD50 (Dermal):

> 1025 mg/kg rabbit

LD50 (Oral):

> 1510 mg/kg rat

UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO)

LD50 (Dermal):

> 2000 mg/kg rabbit

LD50 (Oral):

> 300 mg/kg rat

POLYOXY-1,2-ETHANEDIYL,ALPHA-(CARBOXYMETHYL)-OMEGA-(HEXYLOXY)-3EO)

LD50 (Oral):

> 2000 mg/kg rat

N,N-DIMETHYL 9-DECENAMIDE

LD50 (Oral):

550 mg/kg rat

2-AMINOETHANOL

Causes severe skin burns.

UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO)

Not irritating, rabbit (supplier data).

N,N-DIMETHYL 9-DECENAMIDE

Irritating to skin and mucous membranes (supplier data).

SERIOUS EYE DAMAGE / IRRITATION

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Causes serious eye damage			
2-AMINOETHANOL Causes serious eye damage.			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) Irreversible effects to eyes, rabbit (supplier data).			
N,N-DIMETHYL 9-DECENAMIDE Irritating to eyes (supplier data).			
RESPIRATORY OR SKIN SENSITISATION Does not meet the classification criteria for this hazard class			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) Skin sensitization (Guinea Pig Maximization Test); not sensitizing (supplier data).			
N,N-DIMETHYL 9-DECENAMIDE Not sensitizing to skin (supplier data).			
Respiratory sensitization Information not available			
Skin sensitization Information not available			
GERM CELL MUTAGENICITY Does not meet the classification criteria for this hazard class			
2-AMINOETHANOL The classification criteria are not met (supplier data).			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) In vitro tests did not showed any evidence of mutagenic effect (supplier data). In vivo tests did not showed any evidence of mutagenic effects (supplier data).			
CARCINOGENICITY Does not meet the classification criteria for this hazard class			
2-AMINOETHANOL The classification criteria are not met (supplier data).			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) the substance is not genotoxic, no carcinogenic potential expected (supplier data).			
N,N-DIMETHYL 9-DECENAMIDE Not classified as carcinogenic (supplier data).			
REPRODUCTIVE TOXICITY Does not meet the classification criteria for this hazard class			
2-AMINOETHANOL The substance did not cause malformations in animal experiments (supplier data).			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) Tests on animals did not showed any effect on fertility (supplier data). No teratogenic effects on animals (supplier data).			
Adverse effects on sexual function and fertility			

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Information not available			
Adverse effects on development of the offspring Information not available			
Effects on or via lactation Information not available			
STOT - SINGLE EXPOSURE Does not meet the classification criteria for this hazard class			
2-AMINOETHANOL It can irritate the respiratory tract.			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) The substance is not toxic to a target organ, single exposure.			
Target organs 2-AMINOETHANOL Respiratory tract.			
Route of exposure 2-AMINOETHANOL Inhalation.			
STOT - REPEATED EXPOSURE Does not meet the classification criteria for this hazard class			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) The substance is not toxic to a target organ, repeated exposure.			
Target organs Information not available			
Route of exposure Information not available			
ASPIRATION HAZARD Does not meet the classification criteria for this hazard class			
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2,5 EO) Not applicable.			
11.2. Information on other hazards			
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.			
SECTION 12. Ecological information			
Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.			
12.1. Toxicity			
2-AMINOETHANOL LC50 - for Fish > 349 mg/l/96h			

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EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea Chronic NOEC for Algae / Aquatic Plants	> 27.04 mg/l/48h Daphnia magna (OECD 201, part 1 static), 2.8 mg/l/72h Selenastrum capricornutum (OECD 201), 1.2 mg/l Oryzias latipes (OECD 210), 0.65 mg/l Daphnia magna (OECD 211), > 2.5 mg/l	
DIPROPYLENE GLYCOL MONOMETHYL ETHER LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants	> 10000 mg/l/96h Peasce 1919 mg/l/48h Daphnia magna > 969 mg/l/72h Alga	
POLY(OXY-1,2-ETHANEDIYL)-,ALPHA--(CARBOXYMETHYL)-,OMEGA--(HEXYLOXY)-(3EO) LC50 - for Fish EC50 - for Crustacea Test	> 100 mg/l/96h OECD 203, Fish Acute Toxicity Test, > 100 mg/l/48h OECD 202, Daphnia sp. Acute Immobilization Test and Reproduction Test, > 100 mg/l/72h OECD 201, Alga, Growth Inhibition Test.	
EC50 - for Algae / Aquatic Plants	> 100 mg/l/96h > 7.5 mg/l/96h 2.6 mg/l/48h Daphnia 0.26 mg/l Daphnia 1, 1 mg/l	
N,N-DIMETHYL 9-DECENAMIDE LC50 - for Fish EC50 - for Crustacea Chronic NOEC for Crustacea Chronic NOEC for Algae / Aquatic Plants		
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2.5 EO) LC50 - for Fish EC50 - for Crustacea EC10 for Algae / Aquatic Plants Chronic NOEC for Fish Chronic NOEC for Crustacea	> 10 mg/l/96h Cyprinus carpio (OECD TG 203) > 10 mg/l/48h Daphnia magna (OECD TG 202) > 1 mg/l/72h (OECD TG 201) > 1 mg/l > 1 mg/l Daphnia magna	
12.2. Persistence and degradability		
2-AMINOETHANOL Rapidly degradable		
DIPROPYLENE GLYCOL MONOMETHYL ETHER Rapidly degradable		
POLY(OXY-1,2-ETHANEDIYL)-,ALPHA--(CARBOXYMETHYL)-,OMEGA--(HEXYLOXY)-(3EO) Rapidly degradable		
N,N-DIMETHYL 9-DECENAMIDE Rapidly degradable		
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2.5 EO) Rapidly degradable		
12.3. Bioaccumulative potential		
UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2.5 EO) Bioaccumulation is not likely.		
2-AMINOETHANOL Partition coefficient: n-octanol/water	-2.3	
N,N-DIMETHYL 9-DECENAMIDE Partition coefficient: n-octanol/water	3.17	
12.4. Mobility in soil		

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UNDECANOL, BRANCHED AND LINEAR, ETHOXYLATED (> = 2.5 EO) Partition coefficient: soil/water The product is completely soluble in water. High mobility in soil is expected.	> 3.6 QSAR	
12.5. Results of PBT and vPvB assessment		
On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0.1%.		
12.6. Endocrine disrupting properties		
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.		
12.7. Other adverse effects		
No other significant adverse effects for the environment are known.		
SECTION 13. Disposal considerations		
13.1. Waste treatment methods		
Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations. HP codes (intact product): HP4 - Irritating		
SECTION 14. Transport information		
The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.		
14.1. UN number or ID number		
not applicable		
14.2. UN proper shipping name		
not applicable		
14.3. Transport hazard classes(es)		
not applicable		
14.4. Packing group		
not applicable		
14.5. Environmental hazards		
not applicable		

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14.6. Special precautions for user			
not applicable			
14.7. Maritime transport in bulk according to IMO instruments			
Information not relevant			
SECTION 15. Regulatory information			
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture			
Seveso Category - Directive 2012/18/EU: None			
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006			
Product Point	3 - 40		
<u>Contained substance</u>			
Point	75		
Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors			
not applicable			
Substances in Candidate List (Art. 59 REACH)			
On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0.1%.			
Substances subject to authorisation (Annex XIV REACH)			
None			
Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012.			
None			
Substances subject to the Rotterdam Convention.			
None			
Substances subject to the Stockholm Convention.			
None			
Healthcare controls			
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.			
Regulation (EC) No. 648/2004			

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Ingredients according to Regulation (EC) No. 648/2004				
The surfactant(s) contained in this preparation complex(compl) 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.				
<u>German regulation on the classification of substances hazardous to water (AWSV, vom 18. April 2017)</u>				
WGK 1 : Low hazard to waters				
15.2. Chemical safety assessment				
A chemical safety assessment has been performed for the following contained substances				
2-AMINOETHANOL				
N,N-DIMETHYL 9-DECENAMIDE				
This safety data sheet contains one or more Exposure Scenarios in an integrated form. Contents have been included in sections 1, 2, 8, 9, 12, 15 and 16 of this safety data sheet.				
SECTION 16. Other information				
Text of hazard (H) indications mentioned in section 2-3 of the sheet				
Acute Tox. 4	Acute toxicity, category 4			
Skin Corr. 1B	Skin corrosion, category 1B			
Eye Dam. 1	Serious eye damage, category 1			
Skin Irrit. 2	Skin irritation, category 2			
STOT SE 3	Specific target organ toxicity - single exposure, category 3			
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3			
H302	Harmful if swallowed.			
H312	Harmful in contact with skin.			
H332	Harmful if inhaled.			
H314	Causes severe skin burns and eye damage.			
H318	Causes serious eye damage.			
H315	Causes skin irritation.			
H335	May cause respiratory irritation.			
H412	Harmful to aquatic life with long lasting effects.			
Use descriptor system:				
ERC 8a	Widespread use of non- reactive processing aid (no inclusion into or onto article, indoor)			
LCS PW	Widespread use by professional workers			
PC 35	Washing and cleaning products			
PROC 10	Roller application or brushing			
PROC 11	Non industrial spraying			
PROC 13	Treatment of articles by dipping and pouring			
PROC 8a	Transfer of substance or mixture (charging and discharging) at non- dedicated facilities			

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LEGEND: -ADR: European Agreement concerning the carriage of Dangerous goods by Road -ATE: Acute Toxicity Estimate -CAS: Chemical Abstract Service Number -CE50: Effective concentration (required to induce a 50% effect) -CE: Identifier in EHS (European archive of existing substances) -CLP: Regulation (EC) 1272/2008 -DNEI: Derived No Effect Level -EMS: Emergency Schedule -GHS: Globally Harmonized System of classification and labeling of chemicals -ATA DGR: International Air Transport Association Dangerous Goods Regulation -G50: Immobilization Concentration 50% -IMDG: International Maritime Code for dangerous goods -IMO: International Maritime Organization -INDEX: Identifier in Annex VI of CLP -LC50: Lethal Concentration 50% -LD50: Lethal dose 50% -OEL: Occupational Exposure Level -PBT: Persistent bioaccumulative and toxic as REACH Regulation -PEC: Predicted environmental Concentration -PEL: Predicted exposure level -PNEC: Predicted no effect concentration -REACH: Regulation (EC) 1907/2006 -RID: Regulation concerning the international transport of dangerous goods by train -TLV: Threshold Limit Value -TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure. -TWA: Time-weighted average exposure limit -TWA STEL: Short-Term exposure limit -VOC: Volatile organic Compounds -vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation -WGK: Water hazard classes (German). GENERAL BIBLIOGRAPHY 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation) 4. Regulation (EC) 760/2009 (I Alp. CLP) of the European Parliament 5. Regulation (EU) 286/2011 (II Alp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Alp. CLP) of the European Parliament 7. Regulation (EU) 487/2013 (IV Alp. CLP) of the European Parliament 8. Regulation (EU) 944/2013 (V Alp. CLP) of the European Parliament 9. Regulation (EU) 505/2014 (VI Alp. CLP) of the European Parliament 10. Regulation (EU) 2015/1221 (VII Alp. CLP) of the European Parliament 11. Regulation (EU) 2016/918 (VIII Alp. CLP) of the European Parliament 12. Regulation (EU) 2016/1179 (IX Alp. CLP) of the European Parliament 13. Regulation (EU) 2017/776 (X Alp. CLP) 14. Regulation (EU) 2018/669 (XI Alp. CLP) 15. Regulation (EU) 2019/521 (XII Alp. CLP) 16. Delegated Regulation (UE) 2018/1480 (XIII Alp. CLP) 17. Regulation (EU) 2019/1148 18. Delegated Regulation (UE) 2020/217 (XIV Alp. CLP) 19. Delegated Regulation (UE) 2020/182 (XV Alp. CLP) 20. Delegated Regulation (UE) 2021/643 (XVI Alp. CLP) 21. Delegated Regulation (UE) 2021/849 (XVII Alp. CLP) - The Merck Index - 10th Edition - Handling Chemical Safety - INRS - Fiche Toxicologique (toxicological sheet) - Patty - Industrial Hygiene and Toxicology - N.I. Sax - Dangerous properties of Industrial Materials- 7. 1989 Edition - IFA GESTIS website - ECHA website - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy		

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Note for users: The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control, therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products. CALCULATION METHODS FOR CLASSIFICATION Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9. Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11. Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12. Changes to previous review: The following sections were modified: 01 / 02 / 03 / 04 / 05 / 06 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.		