



MATERIAL SAFETY DATA SHEET

Conforms to Reg. (EU) 878/2020

Issued on 14/10/2019

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SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: F_14
Product name: Ammoniaca Profumata con Detergente
UFI: UWJ5-90JS-2006-W92T

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

Identified Uses	Industrial	Professional	Consumer
hard surface cleaner	-	✓	✓

Uses Advised Against

Do not use for uses other than those indicated

1.3. Details of the supplier of the safety data sheet

Name: NEW FADOR S.r.l.
Full address: via Mario Calderara, 31
District and Country: 25018 Montichiari (BS)
Italia

Tel. +39 030961 243

www.newfador.it

e-mail address of the competent person
responsible for the Safety Data Sheet

info@newfador.it

1.4. Emergency telephone number

For urgent inquiries refer to: NEW FADOR S.r.l.
+39 030961 243
(08.30 - 17.30)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

2.2. Label elements

Hazard pictograms: --

Signal word: --

Hazard statements: --

Precautionary
statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Ingredients (Regulation 648/2004)

Less than 5% Non-ionic surfactants

Perfumes, Limonene, Linalool, Citrus Aurantium Peel Oil

2.3. Other hazards



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On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
MORPHOLINE		
INDEX 613-028-00-9	$0 < x < 0,05$	Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318
EC 203-815-1		LD50 Oral: 1050 mg/kg, ATE Dermal: 1100 mg/kg, LC50 Inhalation vapours: 35,1 mg/l/1h
CAS 110-91-8		
toluene		
INDEX 601-021-00-3	$0 < x < 0,05$	Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336
EC 203-625-9		
CAS 108-88-3		
REACH Reg. 01-2119471310-51		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

No effects are expected that would require the implementation of special first aid measures. The following information is practical indications of correct behavior in case of contact with a chemical product, even if it is not dangerous.

If in doubt or if you experience symptoms, contact a doctor and show him this document.

In case of more serious symptoms, call 118 to obtain immediate medical help.

EYES: Remove contact lenses, if present, if the situation allows you to carry out the operation easily. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids wide. Consult a doctor immediately.

SKIN: Remove contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Consult a doctor. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless expressly authorized by your doctor. Do not give anything by mouth if the person is unconscious. Consult a doctor immediately.

INHALATION: Move the subject to fresh air, away from the accident site. Consult a doctor immediately.

Rescuer protection

It is good practice for the rescuer who provides help to a person who has been exposed to a chemical substance or mixture to wear personal protective equipment. The nature of these protections depends on the hazard of the substance or mixture, the mode of exposure and the extent of contamination. In the absence of other more specific indications, it is recommended to use disposable gloves in case of possible contact with biological liquids. For the type of PPE suitable for the characteristics of the substance or mixture, refer to section 8.



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

No known effects or symptoms in normal use.

In case of contact with skin: temporary skin irritation (redness, swelling, burning) may occur.

In case of contact with eyes: temporary eye irritation may appear (redness, swelling, burning, tearing).

In case of ingestion: accidental ingestion could cause gastrointestinal irritation (possible nausea, vomiting and diarrhea).

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

In case of symptoms, whether acute or delayed, consult a doctor.

In the event of an accident or feeling unwell, consult a doctor immediately (show the instructions for use or safety data sheet if possible).

Treatment: Symptomatic treatment.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye washing.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinction means

The extinction vehicles are the traditional ones: carbon dioxide, foam, dust and nebulized water.

Non -suitable extinction means

None in particular.

5.2. Special hazards arising from the substance or mixture

Dangers due to exposure in case of fire

Avoid breathing combustion products.

Combustion can produce gas and vapors potentially harmful to health such as carbon dioxide, carbon monoxide, satisfying, nox and irritating fumes.

5.3. Advice for firefighters

INFORMAZIONI GENERALI

Raffreddare con getti d'acqua i contenitori per evitare la decomposizione del prodotto e lo sviluppo di sostanze potenzialmente pericolose per la salute. Indossare sempre l'equipaggiamento completo di protezione antincendio. Raccogliere le acque di spegnimento che non devono essere scaricate nelle fognature. Smaltire l'acqua contaminata usata per l'estinzione ed il residuo dell'incendio secondo le norme vigenti.

EQUIPAGGIAMENTO

Indumenti normali per la lotta al fuoco, come un autorespiratore ad aria compressa a circuito aperto (EN 137), completo antifiama (EN469), guanti antifiama (EN 659) e stivali per Vigili del Fuoco (HO A29 oppure A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For those who do not intervene directly

Block the loss if there is no danger.

Wear adequate protection devices (including the individual protective equipment referred to in section 8 of the security data sheet) in order to prevent contaminations of the skin, eyes and personal clothing. These indications are valid for both the employees processes that for emergency interventions.

Remove the unnecessary staff.

6.1.2. For those who intervene directly

Wear adequate protection devices (including the individual protective equipment referred to in section 8 of the security data sheet)



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in order to prevent contaminations of the skin, eyes and personal clothing. These indications are valid for both the employees processes that for emergency interventions.

6.2. Environmental precautions

Impedire che il prodotto penetri nelle fognature, nelle acque superficiali, nelle falde freatiche.

6.3. Methods and material for containment and cleaning up

Aspire the product leakage in suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide for sufficient ventilation of the place affected by the loss. The disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding individual protection and disposal is shown to sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

There are no particular precautions, in any case, manipulating the product after consulting all the other sections of this safety card. Handle in compliance with good hygiene and industrial safety standards.

Avoid the dispersion of the product in the environment. Do not eat, nor drink, nor smoking during use.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Keep the closed containers, in a well -ventilated place, sheltered from direct sunlight. Store the containers away from any incompatible materials, checking section 10.

7.3. Specific end use(s)

Refer to the final uses identified in the subsection 1.2 of this form.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.28 от 2 Април 2024г.)
CZE	Česká Republika	NAŘÍZENÍ VLÁDY ze dne 18. října 2023, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	WirkungDosisNOAELMAK-und BAT-Werte-Liste 2024 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe
DNK	Danmark	BEK nr 291 af 19/03/2024 (Historisk) Bekendtgørelse om grænseværdier for stoffer og materialer (kemiske agenser) i arbejdsmiljøet
ESP	España	Límites de exposición profesional para agentes químicos en España 2024
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France Décret n° 2021-1849 du 28 décembre 2021
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÅRDSDMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών



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HUN	Magyarország	2017/2398/EE, 2019/130/EE και 2019/983/EE «για την τροποποίηση της οδηγίας 2004/37/EK ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία``»
HRV	Hrvatska	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai köröki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
ITA	Italia	PRAVILNIK O IZMJENAMA I DOPUNAMA PRAVILNIKA O ZAŠTITI RADNIKA OD IZLOŽENOSTI OPASNIM KEMIKALIJAMA NA RADU, GRANIČNIM VRIJEDNOSTIMA I BIOLOŠKIM GRANIČNIM VRIJEDNOSTIMA
NOR	Norge	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. 10. april 2024 kl. 13.55
PRT	Portugal	Regeling van de Minister van Sociale Zaken en Werkgelegenheid van 13 mei 2024, nr. 2024-0000092805, tot wijziging van de Arbeidsomstandighedenregeling in verband met de implementatie van Richtlijn 2022/431
POL	Polska	Decreto-Lei n.º 102/2024, de 4 de dezembro. Sumário: Transpõe para a ordem jurídica interna a Diretiva (UE) 2022/431, relativa à proteção dos trabalhadores contra riscos ligados à exposição a agentes cancerígenos ou mutagénicos e procede à quarta alteração
ROU	România	ROZPORZADZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 24 czerwca 2024 r. zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
SWE	Sverige	HOTÄRÅRE nr. 179 din 28 februari 2024 pentru modificarea și completarea Hotărârii Guvernului nr. 1.093/2006 privind stabilirea cerințelor minime de securitate și sănătate pentru protecția lucrătorilor împotriva riscurilor legate de expunerea la agenți ca
SVK	Slovensko	Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön
SVN	Slovenija	121_2024 Z. z. Nariadenie vlády o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym, mutagénnym alebo reprodukčne toxickým faktorom pri práci
GBR	United Kingdom	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti rakotvornim, mutagenim ali reprotoksičnim snovem pri delu. Ljubljana, četrtek 4. 4. 2024
EU	OEL EU	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	ACGIH	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
		ACGIH 2025

MORPHOLINE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	36	10	72	20	
TLV	CZE	35	9,66	70	19,32	
AGW	DEU	36	10	72	20	SKIN
MAK	DEU	36	10	72	20	
TLV	DNK	36	10	72	20	SKIN E
VLA	ESP	36	10	72	20	
VLEP	FRA	36	10	72	20	
HTP	FIN	36	10	72	20	SKIN
TLV	GRC	36	10	72	20	
AK	HUN	36		72		
VLEP	ITA	36	10	72	20	SKIN
TLV	NOR	36	10			SKIN
TGG	NLD	36		72		SKIN
VLE	PRT	36	10	72	20	
NDS/NDSch	POL	36		72		SKIN
TLV	ROU	36	10	72	20	
NGV/KGV	SWE	35	10	72	20	
NPEL	SVK	36	10	72	20	



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Oral				8,13 mg/kg bw/d					
Inhalation	226 mg/m3	226 mg/m3	56,5 mg/m3	56,5 mg/m3	384 mg/m3	384 mg/m3	192 mg/m3	192 mg/m3	
Skin				226 mg/kg bw/d				384 mg/kg bw/d	

Legend:
(C) = 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

Generic hygiene practice at work involves certain measures (for example, shower and change of clothes at the end of the work shift) in order to avoid Any type of third party contamination and appropriate cleaning practices (i.e. regular cleaning with adequate cleaning devices), do not eat and smoke in the workplace.

In general, inhalation and ingestion must be avoided. Unless different indications, shoes and work clothing must be worn certificates. Contaminated work clothing must not be brought out of the workplace.

Ensure good general ventilation in the place of and effective local aspiration.

For the choice of personal protective equipment, ask for advice from their DPI suppliers.

Individual protection devices must report the EC marking certifying their compliance with current regulations.

HAND PROTECTION

Hand protection is not necessary under normal conditions of use, but if prolonged contact with the product is expected, it is recommended to protect the hands with category I work gloves (ref. standard EN 374).

Recommended materials: Natural Rubber - Latex (or equivalent material as it may cause sensitisation).

Protection class: 6 (permeation time greater than 480 minutes according to EN 374).

Recommended material thickness: ≥ 0.1 mm

When identifying the relevant material and the relative thickness to be used, it is highly recommended to consult directly with the PPE manufacturer to evaluate the effective protection based on use and duration of use.

For the final choice of work glove material, the following must be considered: compatibility, degradation, breaking time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is unpredictable. The gloves have a wear time that depends on the duration and method of use.

SKIN PROTECTION

Wear category I 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 ISO 16321).

RESPIRATORY PROTECTION

Normally no respiratory protective device is required. In case of insufficient ventilation, exceeding the limit values in the workplace, excessive olfactory disturbance or in the presence of dust, aerosols, mists and smoke, it is necessary to use a respiratory protection mask independent of ambient air or a respiratory protection mask with filter or combined filters which must be chosen according to the EN 141 standard.

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	Temperature: 20 °C
Colour	colourless	
Odour	characteristic	Method: internal



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Melting point / freezing point	0 °C	Method: literature data Substance: WATER
Initial boiling point	100 °C	Method: literature data Substance: WATER Initial boiling point: 100 °C
Flammability	not available	Reason for missing data: The substance/mixture is not flammable
Lower explosive limit	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Upper explosive limit	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Flash point	not available	Reason for missing data: The substance/mixture is not flammable
Auto-ignition temperature	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Decomposition temperature	not available	Reason for missing data: It only applies to authoritative substances and mixtures, organic peroxides and other substances and mixtures that they can decompose
pH	10.7 ± 0.5	Method: internal method Temperature: 20 °C
Kinematic viscosity	not available	Reason for missing data: This property is not relevant to the safety and classification of this product.
Solubility	soluble in water	Concentration: 100 % Temperature: 20 °C
Partition coefficient: n-octanol/water	not available	Reason for missing data: does not apply to inorganic and ionic liquids and, as a rule, it does not apply to blends
Vapour pressure	0,02 Atm	Method: datum of literature Substance: WATER Vapour pressure: 17,5 mmHg Temperature: 20 °C
Density and/or relative density	0,998	Method: internal Temperature: 20 °C
Relative vapour density	0,0006 kg/dm ³	Method: Literature data Substance: WATER Temperature: 0 °C

Particle characteristics

Median equivalent diameter

Remark: It only applies to solids

Size distribution

Remark: It only applies to solids

Dustiness

Remark: It only applies to solids

Specific surface area

Remark: It only applies to solids

Shape

Remark: It only applies to solids

9.2. Other information

9.2.1. Information with regard to physical hazard classes



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Information not available

9.2.2. Other safety characteristics

Acid/alkaline reserve	not available
Miscibility	not available
VOC (Directive 2010/75/EU)	0,07 % - 0,73
Explosive properties	not available

Remark: Tests on the buffer capacity of the substance/mixture was not performed.

Remark: See section 9.1 Solubility g/litre

Reason for missing data: Absent chemical groups associated with explosive properties in accordance with the provisions of Annex I, Part 2, chap. 2.1.4.3 of Reg. (EC) 1272/2008 – CLP

Oxidising properties	not available
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Reason for missing data: Absent requirements related to the presence of atoms or chemical bonds associated with oxidizing properties in the molecules of the components according to Annex I, Part 2, 2.13.4 Reg. (CE) 1272/2008

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular reaction dangers with other substances in normal conditions of use.

MORPHOLINE

On contact with: strong oxidising agents, reducing agents, strong acids, strong bases. May develop: heat.

toluene

Avoid exposure to: light.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

In normal use and storage conditions, no dangerous reactions are predictable.

toluene

Risk of explosion on contact with: fuming sulphuric acid, nitric acid, silver perchlorate, nitrogen dioxide, non-metal halogenates, acetic acid, organic nitrocompounds. May form explosive mixtures with: air. May react dangerously with: strong oxidising agents, strong acids, sulphur.

10.4. Conditions to avoid

None in particular. However, to follow the usual caution towards chemicals.

10.5. Incompatible materials

Strong acids, oxidizing agents.

Don't mix with other chemicals.

10.6. Hazardous decomposition products



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For thermal decomposition or in the event of a fire you can free gases and vapors potentially harmful to health as carbon dioxide, carbon monoxide, satisfying, nox and irritating fumes.

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.

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

The mixture as such has not been subjected to specific tests, therefore no experimental evaluations are available; please refer to the information in this subsection.

Information on likely routes of exposure

The likely routes of exposure depend on the use of the mixture.

Usually dermal exposure is the most likely, rarely inhalation and oral.

For the effects, please refer to the other subsections in this section and to section 4 of this sheet.

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

The mixture as such has not been subjected to specific tests, therefore no experimental evaluations are available; please refer to the other subsections in this section and to section 4 of this sheet.

Interactive effects

Under normal conditions of use no interactive effects are currently expected.

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)

MORPHOLINE

LD50 (Dermal):	500 mg/kg Rabbit
LD50 (Oral):	1050 mg/kg Rat
LC50 (Inhalation vapours):	35,1 mg/l/1h Rat

toluene

LD50 (Dermal):	> 5000 mg/kg bw rat
LD50 (Oral):	> 5000 mg/kg bw Rat
LC50 (Inhalation vapours):	> 20 mg/l/4h rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

toluene

Method: EU Method B.4

Reliability (Klimisch score):1

Species:rabbit (New Zealand White)

Results: irritating

Source: ECHA CHEM 02/26

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class



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toluene

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

toluene

It does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

toluene

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

toluene

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 1999). The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on development of the offspring

toluene

Method: OECD Guideline 414
Reliability (Klimisch score): 2
Species: rat (Himalayan)
Routes of exposure: hyaltory
Results: NOAEC 2.261 mg/m³
Source: ECHA CHEM 02/26

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

toluene

Category 3 narcotic effects: May cause drowsiness or dizziness.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

toluene

It does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

toluene

It does not meet the classification criteria for this hazard class

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.



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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

toluene	
LC50 - for Fish	5,5 mg/l/96h Oncorhynchus kisutch
EC50 - for Crustacea	3,78 mg/l
EC50 - for Algae / Aquatic Plants	134 mg/l/72h
Chronic NOEC for Fish	1,4 mg/l
Chronic NOEC for Crustacea	0,74 mg/l
Chronic NOEC for Algae / Aquatic Plants	10 mg/l/72 h Skeletonema costatum

12.2. Persistence and degradability

MORPHOLINE	
Solubility in water	1000 - 10000 mg/l
toluene	
Solubility in water	100 - 1000 mg/l
Rapidly degradable	

12.3. Bioaccumulative potential

MORPHOLINE	
Partition coefficient: n-octanol/water	-2,55
BCF	< 0,65
toluene	
Partition coefficient: n-octanol/water	2,73 Log Kow
BCF	90

12.4. Mobility in soil

MORPHOLINE	
Partition coefficient: soil/water	-0,6196

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.



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12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Before disposal, it is always recommended to classify waste according to applicable national legislation.

Indicatively, the codes of the European waste list can be:

20 01 29* - Detergents, containing dangerous substances

15 01 10* - Packaging containing residues of dangerous substances or contaminated by such substances

The release of waste in the sewer is strongly not recommended. The disposal of this product, of solutions and any by-product must be carried out always certifying the indications of the law on the protection of the environment and on the disposal of waste and the requirements of Each local authority relevant.

Do not get rid of the product and the container except with the necessary precautions. Empty containers

They can contain product residues. Avoid dispersion and outflow of material

possibly spilled and contact with soil, waterways, exhausts and sewers.

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 class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments



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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 40

Contained substance

Point	75	(R)-P-MENTHA-1,8-DIENE REACH Reg.: 01-2119529223-47
Point	75	Citral REACH Reg.: 01-2119462829-23
Point	75	ammonia ...% REACH Reg.: 01-2119982985-14
Point	75	MORPHOLINE
Point	75	linalool REACH Reg.: 01-2119474016-42
Point	75	2,4-dimethylcyclohex3-ene-1-carbaldehyde

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

Information not available

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

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.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters

15.2. Chemical safety assessment



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A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
Skin Corr. 1C	Skin corrosion, category 1C
Skin Corr. 1	Skin corrosion, category 1
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.

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 ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP



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- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
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 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

- ECHA CHEM website (ECHA Chemicals Database)

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. We do not assume responsibility for improper use.

Provide adequate training to personnel responsible for using chemical products.



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CLASSIFICATION CALCULATION METHODS

Chemical-physical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Changes to previous review:

The following sections were modified:

02 / 03 / 04 / 08 / 09 / 10 / 11 / 12 / 13 / 15 / 16.