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SEZION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Commercial name	"Nevada Flush" inner flushing fluid in pressurized cylinder
Our code	TRFGBB5

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

Industrial sector	Refrigeration, Air-conditioning and Automotive
Relevant identified uses	Flushing and degreasing fluid/solvent for industrial use
Application	Industrial and professional

1.3. Details of the supplier of the safety data sheet



MARIEL SRL Via Olubi, 5 28013 Gattico-Veruno (NO) Italy Telephone: +39 0322 838319 Fax: +39 0322 838813 E-mail: laboratorio@mariel.it

1.4. Emergency telephone number

 Mariel Srl
 +39 0322 838319
 Mon/Fri: 8.30-12.30 / 13.30-17.30

 CAV-CNIT Anti-Poison (toxicological) National Information Centre
 +39 0382 24444
 Hours: 24 h / 24 h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Physical Hazards	Press. Gas (Liq.)		H280
Health hazards	Asp. Tox.	Category 1	H304
Environmental Hazards	Aquatic Chronic	Category 4	H413

2.2. Label elements

Hazard pictograms



	GHS04	GHS08
	Danger	
(H)	H280	Contains gas under pressure; may explode if heated
	H304	May be fatal if swallowed and enters airways.
	H413	May cause long lasting harmful effects to aquatic life.
ements (P)		
revention	P273	Avoid release to the environment.
esponse	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
torage	P405	Store locked up.
	P410+403	Protect from sunlight. Store in a well ventilated place
isposal	P501	Dispose of contents/container in accordance with Directive 2008/98/EC on waste.
		Contains hydrocarbons, C11-12, isoalkanes < 2% aromatics
	ements (P) revention esponse torage	(H) H280 H304 H413 ements (P) revention P273 esponse P301+P310 torage P405 P410+403

2.3. Other hazards

Not available.



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance name	%	Index No.	CE No.	CAS No.	REACH No.	Classification Regulation (EC) 1272/2008 (CLP)
Hydrocarbons, C11-12, isoalkanes < 2% aromatics	84 ≤ x ≤ 90		918-167-1		01-2119472146-39	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Cronic 4, H413
2-butoxyethyl acetate	9≤-<15	607-038-00-2	203-933-3	112-07-2	01-2119475112-47	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332
Nitrogen	≤1		231-783-9	7727-37-9	*	Press. Gas (Liq.), H280

* Pre-registered substance.

For more information, see section 8, 11, 12 and 16.

SECTION 4: First aid measures

General information: If the person is unconscious, place it in the recovery position and get immediately medical attention. Do not give anything to an unconscious person. If breathing is irregular, give oxygen. If breathing stopped, administer artificial respiration. If symptoms persist, call a physician.

4.1. Description of first aid measures

Inhalation

Remove patience to uncontaminated area. Keep victim warm and rested. Administer oxygen if necessary. Obtain immediate medical attention. Perform cardiopulmonary resuscitation if breathing stopped. Skin contact In case of frostbite, spray with water for at least 15 minutes. Apply a sterile dressing. Obtain medical assistance. Eye contact Immediate flush eyes thoroughly with plenty of water of at least 15 minutes.

Ingestion Ingestion is not considered a potential route of exposure.

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

In low concentrations may cause narcotic effects. Symptoms may include dizziness, headache, nausea and loss of co-ordination. For more information, see section 11.

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

Treat symptomatically and supportively. Do not administer Adrenaline (epinephrine) or similar drugs following product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

No suitable extinguishing media

Water spray, carbon dioxide, foam and water resistant chemical powder. None in particular.

5.2. Special hazards arising from the substance or mixture

Do not breathe combustion products.

5.3. Advice for firefighters

Specific methods

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 fire fighters

Firefighters must use standard protective equipment including flame resistant clothing, helmet with face shield, gloves, protective boots and, in enclosed spaces, SCBA.

EN 137: Respiratory protective devices - Self-contained open circuit compressed air breathing apparatus with full face mask. EN 469: Protective clothing for firefighters / EN 659: Protective gloves for firefighters. / HO specification A29 and A30: Boots



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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 the sewers, surface water, ground water or surface water. Do not release the product into the environment. Avoid any spills and leaks.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container, by checking section 10. Absorb the remainder with inert absorbent material (sand, vermiculite, diatomaceous earth, etc.) Ventilate/aerate the area/local. Contaminated material should be disposed of in compliance with the provisions set forth in section 13.

6.4. Reference to other sections

For more information on personal protection and disposal, see sections 5, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters.
Ensuring a good ventilation, vapours may catch fire and an explosion may occur.
Avoid bunching of electrostatic charges.
Handle in accordance with good industrial hygiene and safety
Do not eat, drink or smoke during use.
Remove contaminated clothing and protective equipment before entering eating areas.
Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibility

Store only in the original container.

Store the containers sealed, in a well-ventilated place, away from direct sunlight.

Store in a well-ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials; for details see section 10.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

Regulatory References

DE	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) – Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GRB	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα (Greece)	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
ITA	Italy	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederlands	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
POL	Polska (Poland)	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 7 czerwca 2017
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho – Diaro da Republica I 26: 2012-02-06
ROU	România	Monitorul Oficial al României 44; 2012-01-19
SVK	Slovakia	NARIADENIE VLÁDY Slovenskej republiky z 20. júna 2007



MATERIAL SAFETY DATA SHEET "NEVADA FLUSH" Inner Flushing Fluid (UN 3500) Code: TRFGBB5

Material safety data sheet according regulation (EU) 2020/878 Version 5 – Date: 27^{ht} August, 2022 (replaces version 4 – 06/2019)

SVN	Slovenija	Uradni list Republike Slovenije 04.06.2015 (1602) – Pravilnik o sprememebah in dopolnitvah Pravilnika o Varovanju
		delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu
TUR	Türkiye (Turkey)	2000/39/EC sayılı Direktifin ekidir
EU	OEL EU	Directive (UE) 2017/2398; Directive (UE) 2017/64; Directive 2009/161/UE; Directive 2006/15/CE; Directive 2004/37/CE;
		Directive 2000/39/CE; Directive 91/322/CEE.
EU	TLV-ACGIH	ACGIH 2017

8.1. Control parameters

2-BUTOXYETHYL ACETATE						
Threshold Limit	: Value (ACGIH)					
Turpo	Country	TWA	/8h	STEL/1	5 min.	
Туре	Country	mg/m3	ppm	mg/m3	ppm	
AGW	DEU	65	20	260	40	
MAK	DEU	130	20	520	80	SKIN
VLA	ESP	133	20	333	50	SKIN
VLEP	FRA	66,5	10	333	50	SKIN
WEL	GRB	133	20	332	50	SKIN
TLV	GRC	135	20	270	40	
VLEP	ITA	133	20	333	50	SKIN
OEL	NLD	135		333		SKIN
NDS	POL	100		300		
VLE	PRT	133	20	333	50	SKIN
TLV	ROU	133	20	333	50	SKIN
NPHV	SVK	133	20	333		SKIN
MV	SVN	133	20			SKIN
ESD	TUR	133	20	333	50	SKIN
OEL	EU	133	20	333	50	SKIN
TLV-ACGIH		131	20			

2-BUTOXYETHYL ACETATE		
PNEC		
Normal value in fresh water	0,304	mg/l
Normal value in marine water	0,0304	mg/l
Normal value for fresh water sediment	2,03	mg/Kg
Normal value for marine water sediment	0,203	mg/Kg
Normal value for water, intermittent release	0,56	mg/l
Normal value of STP microorganisms	90	mg/l
Normal value for the terrestrial compartment	0,42	mg/Kg

2-BUTOXYETHYL ACE	TATE			
DNEL / DMEL				
Douto of ovnocuro		Effect	s on users	
Route of exposure	Acute Local	Acute Systemic	Chronic Local	Chronic systemic
Oral		36 mg/kg		8,6 mg/kg
Inhalation			200 mg/m ³	80 mg/m³
Skin		72 mg/kg		102 mg/kg
Douto of ovnocuro	Effects on workers			
Route of exposure	Acute Local	Acute Systemic	Chronic Local	Chronic systemic
Oral				
Inhalation	333 mg/m ³			133 mg/m ³
Skin		120 mg/kg		169 mg/kg

8.2. Exposure controls

Ensure and provide adequate air ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

The personal protective equipment must comply with EN regulations: EN 136, 140, 149 respiratory protection; EN 166 eye protection (glass); EN 340, 463, 468, 943-1, 943-2 skin protection; EN 374 hand protection (gloves), EN ISO 20345 safety shoes.



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8.2.2. Individual protection measures, such as personal protective equipment

Safety glasses with side-shields (according to directive EN 166).
Thermal-protective gloves resistant to chemical products (EN 374). The penetration time of the gloves must be greater than the period of expected use. Gloves should be replaced immediately if they show signs of wear or deterioration.
Wear long-sleeved clothes. Remove or clean contaminated clothing. Apron or protective clothing are not necessary.
Mask filter for gases and vapours (EN141). To obtain an adequate protection, filter class you should choose according to the type and concentration of contaminants. The breathing apparatus with filters do not operate satisfactorily when the air contains high concentrations of vapours. In case of insufficient ventilation, wear self-contained breathing apparatus (EN529).



8.2.3. Environmental exposure controls

Handling in accordance with good industrial hygiene and safety practice. Prevent spillage or leakage of the product in watercourse or sewers (explosion danger). Avoid air emissions. See section 7 and 13.

SECTION 9: Information and chemical properties

9.1. Information on basic physical and chemical properties

a)	Physical state	Liquid under pressure
b)	Colour	Colourless
c)	Odour	Orange-like
d)	Melting point/freezing point	< 5 °C
e)	Boiling point or initial boiling point and boiling range	188 °C
f)	Flammability	> 60 °C
g)	Lower and upper explosion limit	1.40% Vol. – 8.30% Vol.
h)	Flash point	No data available
i)	Auto-ignition temperature	No data available
j)	Decomposition temperature	(a)
k)	рН	(a)
I)	Kinematic viscosity	(a)
m)	Solubility (in the water)	Insoluble
n)	Partition coefficient n-octanol/water (log value)	1,51 log Pow
o)	Vapour pressure	(a)
р)	Density and/or relative density	0,771 – 0,781 gg/cc @ 20 °C
q)	Relative vapour density	(a)
r)	Particle characteristics	No data available
9.2. Ot	her information	
	VOC (Directive 2010/75/EC)	98.00%
	VOC (Volatile carbon)	78.87%
Legend	1	

(a) : Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal handling and storage conditions.



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10.2. Chemical stability

Stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. Observe the usual precautions against chemicals. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Protect from sunlight and do not expose to temperatures exceeding 50° C. Avoid overheating. Avoid bunching of electrostatic charges.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

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, toxic-kinetics, mechanism of action and other information	Information not available
Information on likely routes of exposure	Information not available
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Information not available
Interactive effects	Information not available

a) Acute toxicity

LC50 (Inhalation) > 20 mg/l LD50 (Oral) > 2000 mg/Kg LD50 (Dermal) > 2000 mg/Kg

2000 (Dermai) > 2000 mg/mg			
Hydrocarbons, C11-12, isoall 2-Butoxyethyl acetate	kanes < 2% aromatics	LD50 (Oral) LD50 (Dermal) LD50 (Oral) LD50 (Dermal)	 > 5000 mg/Kg - Rat > 5000 mg/Kg - Rabbit 1880 mg/kg - Rat > 1000 mg/Kg - Rabbit
b) Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking. Does not meet the classification criteria for this hazard class.		
c) Serious eye damage/irritation	Does not meet the classificat	tion criteria for this	hazard class.
d) Respiratory or skin sensitization	Does not meet the classificat	tion criteria for this	hazard class.
e) Germ cell mutagenicity	Does not meet the classificat	tion criteria for this	hazard class.
f) Carcinogenicity	Does not meet the classificat	tion criteria for this	hazard class.
g) Reproductive toxicity	Does not meet the classificat	tion criteria for this	hazard class.
h) STOT-single exposure	Does not meet the classificat	tion criteria for this	hazard class.
i) STOT-repeated exposure	Does not meet the classificat	tion criteria for this	hazard class.
j) Aspiration hazard	Does not meet the classificat	tion criteria for this	hazard class.

11.2. Information on other hazards

No information available



SECTION 12: Ecological information

This product may damage the structure and/or the functions of the aquatic ecosystems in the long and/or delayed term.

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Hydrocarbons, C11-C12, isoalkanes < 2% aromatics 2-Butoxyethyl acetate	Water Soil	Rapidly biodegradable, shows biodegradation from 77 to 83% in 28 days. Rapidly biodegradable. Rapidly biodegradable, shows biodegradation of 97% in 28 days.
12.3. Bioaccumulative potential 2-Butoxyethyl acetate	log Pow	ν (Kow) 1.51
12.4. Mobility in soil No data available.		
12.5. Results of PBT and vPvB assessment Based on available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.		
12.6. Endocrine disrupting properties n.a.		
12.7. Other adverse effects No data available.		
SECTION 13: Disposal consideration		

13.1. Waste treatment methods

General informationTake all necessary measures to prevent the production of residuals, value the possible methods of regeneration or
recycling. Do not discharge into drains or environment. Dispose of contents and container in accordance with Directive
2008/98/EC and all local, regional, national or international regulations.Disposal methodRefer to the EIGA Practice Code (Doc. 30 "Gas Disposal", downloadable from http://www.eiga.org) for better guidance
on the disposal methods available. Contact the supplier for the correct disposal of the container. Discharging,
treatment or disposal may by subject to national, state or local regulations.

European Waste Codes (EWC)

07 07 04* Wastes from the MFSU of fine chemicals and chemical products not otherwise specified - halogenated still bottoms and reaction residues. 15 01 10* Packaging containing residues of or contaminated by hazardous substances.

SECTION 14: Transport information

UN 3500
CHEMICAL UNDER PRESSURE, N.O.S. (Nitrogen)
2
2.2
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Additional information		
Tunnel restriction code (ADR)	C/E	
EmS (IMDG)	F-C, S-V	
14.4. Packing group		
ADR-RID-ADN-IMDG-ICAO	n.a.	
14.5. Environmental hazards		
Dangerous for the environmental	NO	
Maritime pollution	NO	

14.6. Special precautions for user

The transport, including loading and unloading, must be carried out by persons who have received appropriate training concerning required by the modal regulations.

Road transport must be carried out by vehicles authorized for the transport of dangerous goods in accordance with the requirements of the current edition of the ADR Agreement and the applicable national provisions. Avoid transport on vehicles where the load space is not separated from the driver's compartment.

Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Ensure that containers are firmly secured. Ensure there is adequate ventilation.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Restrictions relating to the product or contained substances - Regulation (EC) n. 1907/2006, Annex XVII: Product: Point 3 REACH Art. 59 (Substances Candidate List): On the basis of available data, the product does not contain any SVHC in percentage greater than 0.1%. REACH - Annex XIV (Substances subject to authorization): None Regulation (CE) n. 649/2012 - Substances subject to exportation reporting: None

Seveso Directive 96/82/EC: None

15.2. Chemical safe assessment

No data available.

SECTION 16: Other information

This Material Safety Data Sheet has been made according the European Directive in force.

Full text of hazard (H) and precautionary (P) statements in section 2 and 3

H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H413	May cause long lasting effects to aquatic life.
P273	Avoid release to the environment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P405	Store locked up.
P410+P403	Protect from sunlight. Store in a well ventilated place
P501	Dispose of contents/container in accordance with Directive 2008/98/EC on waste.

Test of "Hazard Class and Category Code" in section 2 and 3, according to Regulation (EC) No 1272/2008 (CLP)

Press. Gas (Liq.) Pressurized gas : Liquefied gas Flam. Liq. 3 Flammable liquid, category 3 Acute Tox. 4 Acute toxicity, category 4 Asp. Tox. 1 Aspiration Toxicity, category 1 Aquatic Chronic 4 Hazardous to the aquatic environment, chronic toxicity, category 4



MATERIAL SAFETY DATA SHEET "NEVADA FLUSH" Inner Flushing Fluid (UN 3500) Code: TRFGBB5

Material safety data sheet according regulation (EU) 2020/878 Version 5 – Date: 27^{ht} August, 2022 (replaces version 4 – 06/2019)

History Version 5 by Mariel Srl Version 4 Version 3 Version 2 Version 1 Revision date: 07/2021 Date: 06/2019 Date: 07/2018 Date: 04/2017 Date: 06/2016 b) Abbreviations and acronyms ADN Agreement Dangerous goods by inland waterways ACGIH American Conference of Governmental Industrial Hygienists ADR Accord Dangerous Route CAS Chemical Abstracts Service number CE / EC **European Community** CLP Classification, Labelling, Packaging DNEL **Derived No Effect Level** Derived Minimal Effect Levels DMFI **European Industrial Gases Association** EIGA EmS **Emergency Schedule** EWC European Waste Code GHS **Global Harmonized System ICAO** International Civil Aviation Organization IMDG International Maritime Dangerous Goods code International Maritime Organization (Organizzazione marittima internazionale) IMO INDEX Identificative number in Annex VI of CLP LC50 Lethal Concentration 50% LD50 Lethal Dose 50% log Pow (Kow) Partition coefficient n-octanol/water not available / not applicable n.a. OEL **Occupational Exposure Limit** PBT Persistent, Bioaccumulative, Toxic PEC Predicted Environmental Concentration Predicted No Effect Concentration PNFC REACH Registration, Evaluation, Authorization and Restriction of Chemicals RID Rail International Dangerous goods transport STEL Short Term Exposure Limit STOT-RE Specific Target Organ Toxicity - repeated exposure STOT-SE Specific Target Organ Toxicity - single exposure TIV **Threshold Limit Value** Threshold Limit Value - American Conference of Governmental Industrial Hygienists TLV-ACGIH TWA-STEL Time Weighted Average – Short Time Exposition Level UE / EU **European Union** VOC Volatile Organic Compounds vPvB very Persistent very Bioaccumulative Abbreviations and acronyms (Table in section 8) AGW Arbeitsplatzgrenzwert (Workplace Limit Value) MAK Maximale Arbeitsplatz-Konzentration (Maximum Workplace Concentration) VI A Valor Límite Ambiental (Environmental Limited Value) Valeur Limite d'Exposition Professionnelle (Occupational Exposure Limit Value) VLEP WEL Workplace Exposure Limits Threshold Limit Value TLV OEL **Occupational Exposure Limits** NDS Najwyższe Dopuszczalne Stężenie (Maximum Admissible Concentration) NPHV Najvyššie Prípustné Hodnoty Vystavenia (Maximum Occupational Exposure Limits) MV Mejna Vrednost (Exposure Limit) ESD Esik Sınır Değer (Threshold Limit Value) Threshold Limit Value - American Conference of Governmental Industrial Hygienists TLV-ACGIH **General Bibliography**

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)

2. Regulation (EU) 1272/2008 of the European Parliament (CLP)



3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)

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4. Regulation (EU) 2015/830 of the European Parliament 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP) 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP) 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP) 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP) 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP) 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP) 11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP) 12. Regulation (EU) 2016/1179 (IX Atp. CLP) 13. Regulation (EU) 2017/776 (X Atp. CLP) The Merck Index – 10th Edition Handling Chemical Safety INRS – Riche Toxicologique (toxicological sheet) Patty – Industrial Hygiene and Toxicology N.I. Sax – Dangerous properties of Industrial Materials – 7, 1898 Edition IFA GESTIS website

ECHA website

Notice of liability

This information should not constitute a guarantee for any specific product properties. This information are only a guidance for safe handling, use, processing, storage, transportation, disposal and release and are not to be considered a warranty or a quality specification.

The information contained in this safety data sheet are based on our current knowledge and EU and national laws; they describe the product only with regard to safety requirements. The conditions of the user are beyond our knowledge and control. The product should not be used for purpose other than those specified. It is always the responsibility of the user to take all the necessary measures to comply with the requirements of current legislation. The information contained in this form should not considered as a guarantee of its properties.