

	Miele Group	STEELCO	S.P.A.	Revision nr. 5 Dated 03/01/2023
	Member	Steelcox	ide A	Page n. 2/23 Replaced revision: 4
SECTION 2. Haz	ards identificatio	n		
	e substance or mixture			
upplements). The produ	ict thus requires a safety	to the provisions set forth i datasheet that complies with health and/or the environme	the provisions of (E	
lazard classification and Flammable liquid, cates Severe eye corrosion, o Specific target organ to	gory 2	H225 H318 category 3 H336	Causes s	ammable liquid and vapour. serious eye damage se drowsiness or dizziness.
.2. Label elements				
azard labelling pursuan	nt to EC Regulation 1272/2	2008 (CLP) and subsequent a	amendments and s	upplements.
	PC			
Signal words:	Danger			
-	Danger			
-	Danger Highly flammable liqu Causes serious eye o May cause drowsines	damage		
Hazard statements: H225 H318	Highly flammable liqu Causes serious eye o May cause drowsines	damage		
lazard statements: H225 H318 H336	Highly flammable liqu Causes serious eye o May cause drowsines s: Keep away from heat Call a POISON CEN ² Avoid breathing vapo Wear eye protection , IF IN EYES: Rinse ca rinsing.	damage ss or dizziness. t, hot surfaces, sparks, open TRE if you feel unwell. Jurs / spray. / face protection.	_	nition sources. No smoking.
lazard statements: H225 H318 H336 Precautionary statements P210 P312 P261 P261 P280 P305+P351+P338	Highly flammable liqu Causes serious eye o May cause drowsines s: Keep away from heat Call a POISON CEN ² Avoid breathing vapo Wear eye protection , IF IN EYES: Rinse ca rinsing.	damage ss or dizziness. t, hot surfaces, sparks, open TRE if you feel unwell. ours / spray. / face protection. autiously with water for severa	_	
Hazard statements: H225 H318 H336 Precautionary statements P210 P312 P261 P261 P280 P305+P351+P338 P337+P313	Highly flammable liqu Causes serious eye of May cause drowsines s: Keep away from heat Call a POISON CEN Avoid breathing vapo Wear eye protection IF IN EYES: Rinse ca rinsing. If eye irritation persis	damage ss or dizziness. t, hot surfaces, sparks, open TRE if you feel unwell. ours / spray. / face protection. autiously with water for severa	_	

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SECTION 3. Composition	/informatior	n on ingredients	
3.2. Mixtures			
ontains:			
Identification	x = Conc. %	Classification 1272/2008 (CLP)	
PROPAN-2-OL			
CAS 67-63-0	15 ≤ x < 35	Flam. Liq. 2 H225, Eye Irrit. 2 H319,	STOT SE 3 H336
EC 200-661-7			
NDEX 603-117-00-0			
Reg. no. 01-2119457558-25-XXXX			
ACETIC ACID			
CAS 64-19-7	3≤x< 10	Flam. Liq. 3 H226, Skin Corr. 1A H3 [.] note/notes according to Annex VI to	
			rr. 1B H314: ≥ 25%, Skin Irrit. 2 H315: ≥
EC 200-580-7		10%, Eye Dam. 1 H318: ≥ 25%, Eye	11111. Z H319. Z 10%
INDEX 607-002-00-6			
Reg. no. 01-2119475328-30-xxxx			
ETHANOL			
CAS 64-17-5	3 ≤ x < 8	Flam. Liq. 2 H225, Eye Irrit. 2 H319	
		Specific concentration limits (Annex Eve Irrit 2 H310: $> 50\%$	VI of Reg. 1272/2008)
EC 200-578-6		Eye Irrit. 2 H319: ≥ 50%	
NDEX 603-002-00-5			
Reg. no. 01-2119457610-43-XXXX			

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

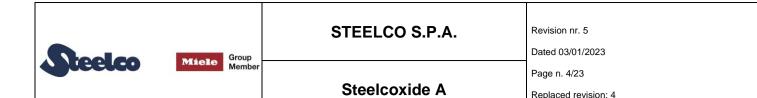
INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

PROTECTION MEASURES FOR FIRST AID: for the PPE necessary for first aid interventions refer to section 8.2 of this safety data sheet.

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

Specific information on symptoms and effects caused by the product are unknown.



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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak. UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

PROPAN-2-OL Carbon oxides.

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 FIRE-FIGHTERS

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

6.1.1 For those who do not intervene directly

Do not take any action involving any personal risk or without proper training. Evacuate the surrounding areas. Do not touch or walk on the spilled material.

Wear suitable protective equipment (including personal protective equipment referred to in section 8 of this Safety Data Sheet) to prevent contamination of skin, eyes and personal clothing. Wear appropriate respirator when ventilation is inadequate.

Do not inhale the mists / vapors / fumes. Avoid the dispersion of the product into the environment. Follow the appropriate internal procedures for personnel not authorized to intervene directly in the event of accidental release.

6.1.2 For those who intervene directly

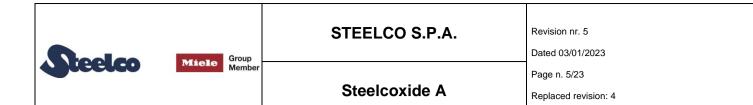
Stop the leak if there is no danger.

Evacuate unauthorized personnel. Wear suitable protective equipment. (see section 8 of this Safety Data Sheet). Follow the appropriate internal procedures for authorized personnel. Isolate the danger area and deny entry. Ventilate enclosed spaces before entering.

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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and 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, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DDODAN-2-OI

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
ESP	España	Límites de exposición profesional para agentes químicos en España 2019
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	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.
	TLV-ACGIH	ACGIH 2020

Threshold Limit Valu	e						
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	500	200	1000	400		
MAK	DEU	500	200	1000	400		
VLA	ESP	500	200	1000	400		
VLEP	FRA			980	400		

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WEL	GBR	999	400	1250	500			
TLV-ACGIH		492	200	983	400			
Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				140,9	m	ıg/l		
Normal value in marine wat	er			140,9	m	ıg/l		
Normal value for fresh wate	r sediment			552	m	ig/kg		
Normal value for marine wa	ter sediment			552	m	ig/kg		
Normal value for water, inte	rmittent release			140,9	m	ıg/l		
Normal value of STP microo	organisms			2,251	g,	/1		
Normal value for the food ch	nain (secondary poison	ing)		160	m	ig/kg		
Normal value for the terrest	rial compartment			28	m	ig/kg		
Health - Derived no-eff	ect level - DNEL / D Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral				systemic	VND	systemic VND	VND	systemic 26 mg/kg bw/d
Inhalation	VND	VND	VND	89 mg/m3	VND	VND	VND	500 mg/m3
			VND		VND	VND	VND	888 mg/kg
Skin ACETIC ACID Threshold Limit Value	VND	VND		319 mg/kg bw/d				bw/d
Skin ACETIC ACID Threshold Limit Value	VND Country	TWA/8h		bw/d STEL/15min		Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type	Country	TWA/8h mg/m3	ppm	bw/d STEL/15min mg/m3	ppm	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW	Country DEU	TWA/8h mg/m3 25	ррт 10	bw/d STEL/15min mg/m3 50 (C)	ppm 20 (C)	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK	Country DEU DEU	TWA/8h mg/m3 25 25	ppm 10 10	bw/d STEL/15min mg/m3 50 (C) 50	ppm 20 (C) 20	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA	Country DEU DEU ESP	TWA/8h mg/m3 25 25 25 25	ppm 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50	ppm 20 (C) 20 20	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP	Country DEU DEU ESP FRA	TWA/8h mg/m3 25 25 25 25 25 25	ppm 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50	ррт 20 (С) 20 20 20 20	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLA VLEP WEL	Country DEU DEU ESP FRA GBR	TWA/8h mg/m3 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50	ppm 20 (C) 20 20 20 20 20 20	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLA VLEP WEL OEL	Country DEU DEU ESP FRA	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50	ppm 20 (C) 20 20 20 20 20 20 20 20	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH	Country DEU DEU ESP FRA GBR EU	TWA/8h mg/m3 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50	ppm 20 (C) 20 20 20 20 20 20	Remarks		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent	Country DEU DEU ESP FRA GBR EU ration - PNEC	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50 37	ppm 20 (C) 20 20 20 20 20 20 20 15	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water	Country DEU DEU ESP FRA GBR EU ration - PNEC	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 37 3,058	ppm 20 (C) 20 20 20 20 20 20 20 15	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value in marine wate	Country DEU DEU ESP FRA GBR EU ration - PNEC	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50 37 37 3,058 305,8	ррт 20 (С) 20 20 20 20 20 20 15 т	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value for fresh wate	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50 37 3,058 3,058 305,8 11,36	ррт 20 (С) 20 20 20 20 20 20 15 т 4 , , , , , , , , , , , , , , , , , , ,	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value in marine wat Normal value for fresh wate Normal value for marine wat	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 37 3,058 305,8 11,36 1,136	ррт 20 (С) 20 20 20 20 20 15 т ци	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value for fresh wate Normal value for marine wat	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment rmittent release	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50 50 37 30 58 305,8 11,36 1,136 30,58	ррт 20 (С) 20 20 20 20 20 15 т 4 , , , , , , , , , , , , , , , , , ,	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value for fresh wate Normal value for marine wat Normal value for water, inte Normal value of STP microo	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment trmittent release organisms	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 37 3,058 3,058 305,8 11,36 1,136 1,136 3,0,58 85	ррт 20 (С) 20 20 20 20 20 20 15 т т т т т	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value for fresh wate Normal value for marine wat Normal value for marine wat Normal value for water, inte Normal value of STP microc Normal value of the terrest	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment ter sediment rmittent release organisms rial compartment	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50 50 37 30 58 305,8 11,36 1,136 30,58	ррт 20 (С) 20 20 20 20 20 20 15 т т т т т	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value for fresh wate Normal value for marine wat Normal value for marine wat Normal value for marine the terrest Health - Derived no-effect	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment ter sediment rmittent release organisms rial compartment ect level - DNEL / D Effects on consumers	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 37 3,058 305,8 11,36 1,136 1,136 30,58 85 470	ppm 20 (C) 20 20 20 20 20 20 15 m m µ y Effects on workers	Remarks Observa	s / itions	
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment ter sediment rmittent release organisms rial compartment ect level - DNEL / C Effects on	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 37 3,058 3,058 305,8 11,36 1,136 1,136 3,0,58 85	ppm 20 (C) 20 20 20 20 20 20 15 m m µ m m m m f Effects on	Remarks Observa		bw/d
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value in marine wate Normal value for fresh wate Normal value for marine wat Normal value for the terrest Health - Derived no-eff Route of exposure	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment ter sediment rmittent release organisms rial compartment ect level - DNEL / D Effects on consumers	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50 37 3,058 305,8 11,36 1,136 1,136 1,136 30,58 85 470 Chronic	ppm 20 (C) 20 20 20 20 20 20 15 m m µ y Effects on workers	Remarks Observa	s / itions	Chronic
Skin ACETIC ACID Threshold Limit Value Type AGW MAK VLA VLEP WEL OEL TLV-ACGIH Predicted no-effect concent Normal value in fresh water Normal value for fresh wate Normal value for marine wat Normal value for marine wat Normal value for marine the terrest Health - Derived no-effect	Country DEU DEU ESP FRA GBR EU ration - PNEC er r sediment ter sediment consumers rial compartment Effects on consumers Acute local	TWA/8h mg/m3 25 25 25 25 25 25 25 25 25 25 25	ppm 10 10 10 10 10 10 10 10 10 10 10 10 10	bw/d STEL/15min mg/m3 50 (C) 50 50 50 50 50 50 50 37 3,058 305,8 11,36 1,136 1,136 1,136 30,58 85 470 Chronic	ppm 20 (C) 20 20 20 20 20 20 15 m m µ y Effects on workers	Remarks Observa	s / itions	Chronic

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ETHANOL Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min		Remarks Observa		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	380	200	1520	800			
MAK	DEU	380	200	1520	800			
VLA	ESP			1910	1000			
VLEP	FRA	1900	1000	9500	5000			
WEL	GBR	1920	1000					
TLV-ACGIH				1884	1000			
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				960	μί	g/L		
Normal value in marine wate	r			790	m	g/l		
Normal value for fresh water	sediment			3,6	m	g/kg		
Normal value for marine wate	er sediment			2,9	m	g/kg		
Normal value for water, inter	mittent release			2,75	m	g/l		
Normal value of STP microo	rganisms			580	m	g/l		
Normal value for the food ch	ain (secondary poisonin	g)		380	m	g/kg food		
Normal value for the terrestri	al compartment			630	hố	g/kg soil dw		
Health - Derived no-effe	ect level - DNEL / DN Effects on consumers	IEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral						NPI		87 mg/kg bw/d
Inhalation	950 mg/m3	NPI	NPI	114 mg/m3	1900 mg/m3	NPI	NPI	950 mg/m3
Skin	NPI	NPI	NPI	206 mg/kg bw/d	NPI	NPI	NPI	343 mg/kg bw/d
egend:								

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

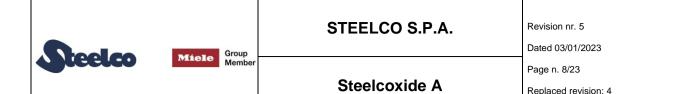
As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374). The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration



and type 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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

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, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, 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.

PROPAN-2-OL

IBE (Biological Indicators of Exposure - ACGIH 2020): acetone in urine = 40 mg / L (end of shift)

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	colourless
Odour	pungent
Odour threshold	Not determined
рН	< 2,5
Melting point / freezing point	Not available
Initial boiling point	105 °C
Boiling range	Not available
Flash point	15 °C
Evaporation rate	Not determined
Vapour pressure	Not available
Vapour density	Not determined
Relative density	0,975 g/mL
Solubility	soluble in water
Partition coefficient: n-octanol/water	0,05 (Propan-2-olo)
Auto-ignition temperature	Not available
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not Explosive

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Oxidising properties		Non-oxidant	

9.2. Other information

VOC (Directive 2010/75/EC) :

25,21 % - 240,23 g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

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

ACETIC ACID It is highly corrosive: it attacks the most common metals with the development of hydrogen.

10.2. Chemical stability

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

ACETIC ACID

Hygroscopic. Polymerises in contact with acetic aldehyde.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

ACETIC ACID

Risk of explosion on contact with: chromium (VI) oxide,potassium permanganate,sodium peroxide,perchloric acid,phosphorus chloride,hydrogen peroxide.May react dangerously with: alcohols,bromine pentafluoride,chlorosulphuric acid,dichromate-sulphuric acid,ethane diamine,ethylene glycol,potassiun hydroxide,strong bases,sodium hydroxide,strong oxidising agents,nitric acid,ammonium nitrate,potassium tert-butoxide,oleum.Forms explosive mixtures with: air.

Violent reactions in case of contact with strong bases, oxidants and other reactive compounds.

Formation of hydrogen in case of contact with carbon steel and non-noble metals.

ETHANOL

Risk of explosion on contact with: alkaline metals,alkaline oxides,calcium hypochlorite,sulphur monofluoride,acetic anhydride,acids,concentrated hydrogen peroxide,perchlorates,perchloric acid,perchloronitrile,mercury nitrate,nitric acid,silver,silver nitrate,ammonia,silver oxide,ammonia,strong oxidising agents,nitrogen dioxide.May react dangerously with: bromoacetylene,chlorine acetylene,bromine trifluoride,chromium trioxide,chromyl chloride,fluorine,potassium tert-butoxide,lithium hydride,phosphorus trioxide,black platinum,zirconium (IV) chloride,zirconium (IV) iodide.Forms explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

PROPAN-2-OL Heat, flames and sparks. Extreme temperatures and direct sunlight.

ACETIC ACID Avoid exposure to: sources of heat,naked flames. No ventilation. Open flames, heating and sparks. Humidity.



ETHANOL

Avoid exposure to: sources of heat,naked flames. Avoid high temperatures and proximity to ignition sources

10.5. Incompatible materials

PROPAN-2-OL

Oxidizing agents, acid anhydrides, aluminum, halogenated compounds, acids.

ACETIC ACID

Incompatible with: carbonates,hydroxides,phosphates,oxidising substances,bases. Bases, acetic anhydride, nitric acid, alcohol, halogens, halogen compounds and oxidizing materials.

ETHANOL

Strong mineral acids, oxidizing agents. High temperature aluminum.

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.

ACETIC ACID

When heated to decomposition, it develops irritating fumes. Carbon monoxide, carbon dioxide (CO2)

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 toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

PROPAN-2-OL

It is readily absorbed following inhalation exposure and rapidly spreads to tissues. However, it is also readily excreted in the urine, essentially in the form of the 2-methoxyacetic acid metabolite. (Arch Toxicol, 68, -588-94 - Johanson G, 1994)

ACETIC ACID

The substance is absorbed from the gastrointestinal tract and the lungs. It is rapidly distributed throughout the body. It is almost completely metabolized at the cellular level. After reaction with acetyl coenzyme A, the acetic acid is transformed by the Krebs cycle and is incorporated into the lipids and proteins, part of it is transformed into formic acid. Only a small part is found in the urine in unchanged form

Information on likely routes of exposure

ACETIC ACID

The main routes of potential exposure are expected to be inhalation and skin contact in workers exposed to the manufacture and use of the substance.

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

Information not available

Interactive effects

Group	STEELCO S.P.A.	Revision nr. 5 Dated 03/01/2023
Miele Member	Steelcoxide A	Page n. 11/23 Replaced revision: 4
Information not available		
ACUTE TOXICITY		
ATE (Inhalation) of the mixture: Not classified (no ATE (Oral) of the mixture: Not classified (no signification of the mixture: Not classified (no signification of the mixture: Not classified (no signification of the mixture) of the mixture of the mixture of the mixture of the mixture of the mixture) of the mixture of t	ficant component)	
ETHANOL LD50 (Oral) 1187 mg/kg Ratto LC50 (Inhalation) 115,9 mg/l/4h		
ACETIC ACID LD50 (Oral) 3310 mg/kg Ratto LD50 (Dermal) 1060 mg/kg Coniglio LC50 (Inhalation) 11,4 mg/l/4h Ratto		
PROPAN-2-OL LD50 (Oral) 4710 mg/kg Rat LD50 (Dermal) 12800 mg/kg Rat LC50 (Inhalation) 72,6 mg/l/4h Rat		
PROPAN-2-OL		
Method: equivalent or similar to OECD 40 Reliability (Klimisch score): 2 Species: Rat (Sherman) Routes of exposure: oral Results: LD50 = 5840 mg / kg)1	
Method: equivalent or similar to OECD 40 Reliability (Klimisch score): 2 Species: Rabbit Routes of exposure: cutaneous Results: LC50 = 16.4 ml / kg)2	
Method: equivalent or similar to OECD 40 Reliability (Klimisch score): 1 Species: Rat (Fischer 344; Male / Female Routes of exposure: inhalation (vapors) Results: LD50> 10000 ppm / 6h		
ACETIC ACID		
Bibliographic reference: "The acute oral t 82 (1941))" Reliability (Klimisch score): 2 Species: rat (Male / Female) Routes of exposure: oral Results: LD50: 3310 mg / kg	oxicity of acetic, chloroacetic, dichloroacetic and trich	nloroacetic acids (J Ind Hyg Toxicol, Vol 23, PP 78-
Method: equivalent or similar to OECD 40 Reliability (Klimisch score): 2 Species: rat (Sprague-Dawley Male / Fen Routes of exposure: inhalation (vapors) Results: LC50: 11.4 mg / I 4h		

Reference: [Lewis, R.J. Sr. (ed) Sax's Dangerous Properties of Industrial Materials. 11th Edition. Wiley-Interscience, Wiley & Sons, Inc. Hoboken, NJ. 2004., p. 16] Species: Rabbit Routes of exposure: cutaneous

Sector	Miele Group	STEELCO S.P.A.	Revision nr. 5 Dated 03/01/2023
	Member	Steelcoxide A	Page n. 12/23 Replaced revision: 4
Results: LD50: 1060) mg / kg		
ETHANOL			
Route of Exposure: LC50 results (male) Reference: Schecht Reliability (Klimisch Species: Mouse (HS	D; Male / Female) oral 70 mg / kg coore): 2 ue-Dawley; Male / Fer inhalation (vapors) : 116.9 mg / I 4h er, M. et al, Pharmaco score): 2 S; male / female)	nale) ol Biochem Behav 52 (1): 245-248, 1995	
Routes of exposure		nt	
SKIN CORROSION / IRRIT	ATION		
Does not cause skin irrita	tion (based on the re	esults of the in vitro test conducted on the mixture)	
calculated MCT was According to OECD	- test in vitro score): 1 e "SXA - Solution A s 71.27±0.65. Guideline No 435 (Ju	' causes corrosion of the bio-barge in the Corrosite uly 2015), a substance/mixture with an MCT > 60 is cl therefore been classified as non-corrosive – Category	assified as non-corrosive and should be classified
PROPAN-2-OL Reliability (Klimisch Species: Rabbit Routes of exposure Results: Not irritatin Reference: Nixon G	cutaneous g	Applied Pharmacology 31, 481-490 (1975)	
ACETIC ACID Method: equivalent Reliability (Klimisch Species: rabbit	or similar to OECD 40 score: 2	14	
Routes of exposure Results: Based on t skin.		ce of the available data as determined by expert judgm	ent, the substance is classified as corrosive to the
ETHANOL Method: OECD 404 Reliability (Klimisch Species: Rabbit (Ne Routes of exposure Results: non-irritatin	score): 1 w Zealand White) : cutaneous		
SERIOUS EYE DAMAGE /	IRRITATION		
Causes serious eye dama	ge (based on the res	sults of the in vitro test conducted on the mixture)	

Group	STEELCO S.P.A.	Revision nr. 5 Dated 03/01/2023				
Miele Member		Page n. 13/23				
	Steelcoxide A	Replaced revision: 4				
STEELCOXIDE – SOLUTION A Metodo: OECD 437 – test in vitro Reliability (Klimisch score): 1 Results: The mixture "BSXA - Solution A" induced serious eye lesions on the cornea of the bovine eye. The calculated average IVS was 125.48. According to OECD Guideline No. 437 (June 2020), a substance/mixture with an IVIS > 55 causes serious eye injuries, and should be classified as UN GHS Category I. The mixture has therefore been classified in category I. (Study No.: 21091701G850)						
PROPAN-2-OL Method: equivalent or similar to OECD 4 Reliability (Klimisch score): 1 Species: Rabbit (New Zealand White) Routes of exposure: ocular Results: irritating	05					
ACETIC ACID Method: equivalent or similar to OECD 4 Reliability (Klimisch score): 2 Species: rabbit (Rsk: NZW) Routes of exposure: ocular Results: Based on the strength of evide eyes.	05 ince of the available data as determined by expert judg	gment, the substance is classified as corrosive to				
ETHANOL Method: OECD 405 Reliability (Klimisch score): 2 Species: Rabbit Routes of exposure: ocular Results: irritating.						
RESPIRATORY OR SKIN SENSITISATION						
Does not meet the classification criteria for this h	azard class					
PROPAN-2-OL Method: OECD 406 Reliability (Klimisch score): 1 Species: Guinea pig (Dunkin-Hurtley; Ma Routes of exposure: cutaneous Results: not sensitizing	ale / Female)					
ACETIC ACID Based on the strength of evidence of th skin sensitization hazard class.	e available data as determined by expert judgment, th	e substance is not classified for the respiratory or				
ETHANOL Method: equivalent or similar OECD 406 Reliability (Klimisch score): 2 Species: Guinea pig (Pirbright White; Fe Routes of exposure: cutaneous Results: not sensitizing.						
GERM CELL MUTAGENICITY						
Does not meet the classification criteria for this h	azard class					
PROPAN-2-OL						
Based on available data, the substance	has no mutagenic effects and is not classified under the	e relevant hazard class CLP.				

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ACETIC ACID								
Reliability (Klimisch score): 2 Species: Salmonella Typhimurium	Method: equivalent or similar to OECD 471 - In vitro test Reliability (Klimisch score): 2 Species: Salmonella Typhimurium Results: negative with and without metabolic activation.							
Method: equivalent or similar to EU B.12 Reliability (Klimisch score): 1 Species: rat (CD (Sprague-Dawley) Male Routes of exposure: inhalation (vapors) Results: negative.								
ETHANOL								
Reliability (Klimisch score): 1 Species: S. typhimurium Results: negative with and without meta	Method: equivalent or similar to OECD 471 - In vitro test Reliability (Klimisch score): 1 Species: S. typhimurium Results: negative with and without metabolic activation Method: equivalent or similar to OECD 474 - In vivo test Species: mouse (NMRI; Male / Female) Routes of exposure: intraperitoneal							
CARCINOGENICITY								
Does not meet the classification criteria for this h	nazard class							
PROPAN-2-OL Based on available data, the substance	has no carcinogenic effects and is not classified under	the relevant hazard class CLP.						
ACETIC ACID								
Bibliographic reference: "The stimulatin induced by n-nitrososarcosin ethyl ester Reliability (Klimisch score): 2 Species: rat (outbred white; male) Routes of exposure: oral Results: negative. LOAEL: 64 mg / kg be	g effect of acetic acid, alcohol and thermal burn injury in rats" (Cancer Letters Vol 47, pp179-185 (1989)) ody weight / day	on oesophagus and forestomach carcinogenesis						
ETHANOL								
Method: equivalent or similar to OECD 453 Reliability (Klimisch score): 1 Species: rat (Fischer 344 / DuCrj; Male / Female) Routes of exposure: inhalation (vapors) Results: negative.								
REPRODUCTIVE TOXICITY								
Does not meet the classification criteria for this h	nazard class							
PROPAN-2-OL								
Method: equivalent or similar to OECD 4 Reliability (Klimisch score): 1 Species: Rat (Sprague-Dawley; Male / F Routes of exposure: Oral Results: negative. NOAEL = 1000 mg / F	emale)							

Steelco Miele Group Member	STEELCO S.P.A.	Revision nr. 5 Dated 03/01/2023	
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Adverse effects on sexual function and fertility			
PROPAN-2-OL			
Reliability (Klimsch score): 1	Species: rat (Sprague-Dawley Male / Female) Routes of exposure: oral		
ETHANOL			
Method: equivalent or similar to OECD 416 Reliability (Klimisch score): 1 Species: mouse (CD-1; Male / Female) Routes of exposure: oral Results: No effect on fertility at doses equivalent to 20.7 g / kg / day			
Adverse effects on development of the offspring			
PROPAN-2-OL			
Method: equivalent or similar to OECD 414 Reliability (Klimsch score): 1 Species: rat (Sprague-Dawley) Routes of exposure: oral Results: negative.			
ACETIC ACID	ACETIC ACID		
Method: equivalent or similar to EU B.31 Reliability (Klimisch score): 2 Species: rat (Wistar) Routes of exposure: oral Results: negative. NOAEL (developmental toxicity): 1 600 mg / kg body weight / day.			
ETHANOL			
Method: equivalent or similar to OECD 414 Reliability (Klimisch score): 2 Species: rat (Sprague-Dawley) Routes of exposure: inhalation Results: negative. NOAEL (maternal) = 16000 ppm. NOAEL (fetus)> = 20,000 ppm			
STOT - SINGLE EXPOSURE			
May cause drowsiness or dizziness			
PROPAN-2-OL			
Metodo: OECD 426 Affidabilità (Klimisch score): 1 Specie: Ratto (Sprague-Dawley; Femmina) Vie d'esposizione: orale. Risultati: Può provocare sonnolenza o vertigini.			



In base ai dati disponibili, la sostanza presenta effetti di tossicità specifica per organi bersaglio per esposizione singola ed è classificata sotto la relativa classe di pericolo CLP.

ACETIC ACID

In humans, serious effects are reported following accidental single exposures by any route, mainly due to the local corrosive action of the substance with consequent systemic effects (INRS, 2011). Inhalation exposure to vapors or aerosols immediately causes irritation symptoms.

ETHANOL

Based on available data, the substance has no specific target organ toxicity effects for single exposure and is not classified under the relevant CLP hazard class.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

PROPAN-2-OL

Accordi to available data, this substance does not present specific organ toxicity for repeated exposition and it is not classified under the relevant CLP hazard class.

ACETIC ACID

Based on available data, the substance has no specific target organ toxicity effects on repeated exposure and is not classified under the relevant CLP hazard class Bibliographic reference: Antihypertensive effects of acetic acid and vinegar on spontaneously hypertensive rats (Biosci. Biotechnol. Biochem Vol

65, (12), pp 2690-2694 (2001)) Reliability (Klimisch score): 2 Species: rat (Male) Routes of exposure: oral Results: negative. NOAEL: 290 mg / kg body weight / day

Bibliographic reference: Acetic acid, a potent stimulator of mouse epidermal macromolecular synthesis and hyperplasia but with weak tumorpromoting ability (Nat. Cancer Inst., Vol 55, pp 983-987 (1975)) Reliability (Klimisch score): 2 Species: mouse (CD-1 Female) Routes of exposure: cutaneous Results: negative. NOAEL: 30 mg / animal

ETHANOL

Method: equivalent or similar OECD 408 Reliability (Klimisch score): 2 Species: Rat (Sprague-Dawley; Male / Female) Routes of exposure: oral Results: negative. NOAEL: 1730 mg / kg body weight / day

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

PROPAN-2-OL

No data are available on the hazard in case of aspiration.

ACETIC ACID

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No data are available on the hazard in case of aspiration.

ETHANOL

No data are available on the hazard in case of aspiration.

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 effects on human health 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

ETHANOL	
LC50 - for Fish	14,2 g/l/96h Pimephales promelas (US EPA E03-05)
EC50 - for Crustacea	5012 mg/l/48h Ceriodaphnia dubia (ASTM E729-80)
EC50 - for Algae / Aquatic Plants	275 mg/l/72h Chlorella vulgaris (OECD 201)
Chronic NOEC for Fish	250 mg/L/5 d
ACETIC ACID	
LC50 - for Fish	> 300,82 mg/l/96h Oncorhynchus mykiss (equivalent or similar to OECD 203)
EC50 - for Crustacea	> 300,82 mg/l/48h Daphnia magna (OECD 202)
EC50 - for Algae / Aquatic Plants	> 300,82 mg/l/72h Skeletonema costatum (equivalent or similar to ISO 10253)
Chronic NOEC for Algae / Aquatic Plants	> 300,82 mg/l/72h Skeletonema costatum (equivalent or similar to ISO 10253)
PROPAN-2-OL	

9640 mg/l/96h Pimephales promelas (equivalent or similar to OECD 203)

> 10000 mg/l/48h Daphnia magna (equivalent or similar to OECD 202)

LC50 - for Fish

EC50 - for Crustacea

12.2. Persistence and degradability

PROPAN-2-OL Easily biodegradable, 53% in 5 giorni (equivalent or similar to EU C.5)

ACETIC ACID Easily biodegradable, 96% in 20 days (Price, K.S., Waggy, G.T. And Conway, R.A. 1974, J. Water pollut. Contr. Fed. Vol 46 PP 46-77)

Solubility in water > 10000 mg/l

ETHANOL

Readily biodegradable, 60% in 10 days (BOD - Standard methods for the examination of water and waste water 1971. 13th ed, American Public Health Assoc, NY)

12.3. Bioaccumulative potential

Steelco Miele Group Member	STEELCO S.P.A. Steelcoxide A	Revision nr. 5 Dated 03/01/2023 Page n. 18/23 Replaced revision: 4
ETHANOL		
Partition coefficient: n-octanol/water	-0,35 Log Kow 24°C (OECD 107)	
ACETIC ACID		
Partition coefficient: n-octanol/water	-0,17 Log Kow (CRC Press Inc. Boca	Raton, USA.)
BCF	3,16 (Q)sar (Meylan,WM, Howard,PH	,
PROPAN-2-OL		
Partition coefficient: n-octanol/water	0,05	
12.4. Mobility in soil		
	, very high mobility in soil is expected. according to the vapor pressure value. Based on the p corresponding neutral form in soils containing organic o	
ACETIC ACID		
Partition coefficient: soil/water	1,153	
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 ≥ than 0,1%	ю.
12.6. Endocrine disrupting properties		
According to the available data, the product does	not contain substances with endocrine-disrupting prop	perties at a rate of 0.1% by weight or more.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered special hazardous waste. The dangerousness of the waste that partially contains this product must be evaluated according to the laws in force. (Ref. Annex D - Part IV of Legislative Decree no. 152/2006 and subsequent amendments and adjustments).

Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.

The legal responsibility for disposal lies with the producer / holder of the waste.

Different CER (European Waste Code) codes could be applied to this mixture according to the specific circumstances that generated the waste, any alterations and contaminations.

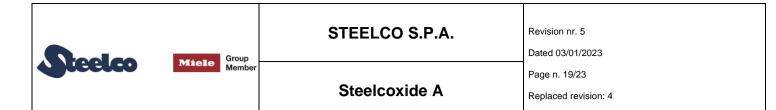
The product as it is, out of specification in the original packaging, or poured into a suitable container for disposal as waste, or the product in specification but no longer usable (for example following an accidental spill), is to be classified with a code CER compatible with the description of use indicated in section 1.2.

The appropriate final destination of the waste will be assessed by the manufacturer according to the chemical-physical characteristics of the waste itself compatible with the authorized plant to which it will be conferred for recovery, treatment or final disposal in the manner prescribed by current regulations. Disposal via the wastewater drain is not permitted.

For hazardous substances registered according to EC Regulation 1907/2006 (REACH) for which a chemical safety report has been prepared, refer to the specific information contained in the exposure scenarios attached to this SDS.

CONTAMINATED PACKAGING

Contaminated packaging must be sent, properly labeled, for recovery or disposal in compliance with national regulations on waste management and must



be classified with the following EWC code:

15 01 10 *: packaging containing residues of dangerous substances or contaminated by these substances

SECTION 14. Transport information

14.1. Numero ONU

ADR / RID, IMDG, IATA: 1987

14.2. Designazione ufficiale ONU di trasporto

ADR / RID: IMDG:	ALCOHOLS, N.O.S. MIXTURE (Propan-2-ol, Ethanol) ALCOHOLS, N.O.S. MIXTURE (Propan-2-ol, Ethanol)
IATA:	ALCOHOLS, N.O.S. MIXTURE (Propan-2-ol, Ethanol)

14.3. Transport hazard class(es)

ADR / RID:	Class: 3	Label: 3	
IMDG:	Class: 3	Label: 3	
IATA:	Class: 3	Label: 3	

14.4. Packing group

ADR / RID, IMDG, II IATA:

14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

14.6. Special precautions for user

ADR / RID:
IMDG:
IATA:

HIN - Kemler: 33 Special provision: 640D EMS: <u>F-E, S-E</u> Cargo: Pass.: Special provision:

Limited Quantities: 1 L	
Limited Quantities: 1 L	
Maximum quantity: 60 L	
Maximum quantity: 5 L	
A3	

Tunnel restriction code: (D/E)

Packaging instructions: 364 Packaging instructions: 353

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Steelco Miele Group Membe	Group	STEELCO S.P.A.	Revision nr. 5 Dated 03/01/2023
	Member	Steelcoxide A	Page n. 20/23 Replaced revision: 4
Information not relevant			
SECTION 15. Regu	latory inform	ation	
15.1. Safety, health and en	nvironmental regu	lations/legislation specific for the substance or mix	ture
Seveso Category - Directive 2	2012/18/EC: P5c		
Restrictions relating to the pro	oduct or contained	substances pursuant to Annex XVII to EC Regulation 19	007/2006
Product			
Point	3		
	in Annex I of Regu a) hazard classes 2, 2.15 types A to	3.1 to 3.6, 3.7 adverse effects on sexual function ar 9 and 3.10; 1;	2, 2.13 categories 1 and 2, 2.14 categories 1 and
Point	40		
	Substances classified as flammable gases of category 1 or 2, flammable liquids of category 1, 2 or 3, flammable solids of category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases of categories 1, 2 or 3, category 1 pyrophoric liquids or category 1 pyrophoric solids, even if not listed in Part 3 of Annex VI to Regulation (EC) No. 1272/2008Contained substance		
Point	75	ACETIC ACID Reg. no.: 01-2119475328-30-xxxx	
	Substances included in one or more of the following: a) substances classified in one of the following classes in Annex VI, part 3, of Regulation (EC) no. 1272/2008: - category 1A, 1B or 2 carcinogenicity, category 1A, 1B or 2 germ cell mutagenicity, but excluding substances classified due to effects following exposure by inhalation only; - Reproductive toxicity of category 1A, 1B or 2, but excluding substances classified due to effects following exposure by inhalation only; - skin sensitization of category 1, 1A or 1B; - skin corrosion of category 1, 1A, 0r Or C or skin irritation of category 2; - serious category 1 eye damage or category 2 eye irritation; b) substances listed in Annex II of Regulation (EC) no. 1223/2009 of the European Parliament and of the Council (*); c) substances listed in Annex IV of Regulation (EC) no. 1223/2009 for which a condition is indicated in at least one of the columns g, h or i of the table of this annex; d) substances listed in Appendix 13 of this annex. The ancillary requirements referred to in points 7 and 8 of column 2 of this entry apply to all mixtures intended for tattooing practices, regardless of whether they contain one of the substances referred to in points a) to d) of this column and entry.		
Regulation (EC) No. 2019/114	18 - on the marketi	ng 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 ≥ than 0,1%.			

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Substances subject to authorisation (Annex XIV	REACH)	
None		
Substances subject to exportation reporting purs	uant to (EC) Reg. 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.		
Medical device, class IIb according to legislation 93/42.		
D.Lgs. 152/2006 and following modifications		
Emissions according to Chapter V, Annex I:		
TAB. D Class 3 04,97 %		

 TAB. D
 Class 4
 21,22 %

 TAB. D
 Class 5
 03,73 %

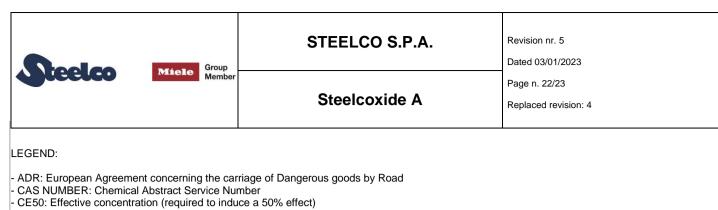
15.2. Chemical safety assessment

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
Skin Corr. 1A	Skin corrosion, category 1A
Eye Irrit. 2	Eye 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.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.



- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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 NUMBER: 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: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average 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 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2020/878 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EÚ) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP) 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Regulation (EU) 2020/217 (XIV Atp. 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

Training for workers:

The training of workers must include contents, updates and duration according to the risk profiles assigned to the working sectors of membership, according to the procedures provided for by Legislative Decree 81/2008.

Steelco	Miele Group Member	STEELCO S.P.A.	Revision nr. 5 Dated 03/01/2023
		Steelcoxide A	Page n. 23/23 Replaced revision: 4
Procedure used to derive the classification according to Regulation (EC) 1272/2008 (CLP) in relation to mixtures: Classification of the mixture according to Regulation (EC) n. 1272/2008 Classification procedure			
Flammable liquid, category 2 Severe eye corrosion, category 1 Specific target organ toxicity - single exposure, category 3		H318 Cause	on experimental data. s serious eye damage on literature data.

Note for the recipient of the Safety Data Sheet (SDS):

It is the recipient of this SDS who must ensure that the information contained is read and understood by all persons who handle, store, use, or otherwise come into contact in any way with the substance or mixture to which this sheet refers. In particular, the recipient must provide adequate training to personnel assigned to the use of dangerous substances or mixtures. The recipient must ensure the suitability and completeness of the information in relation to the specific use of the substance or mixture.

However, the substance or mixture to which this SDS refers must not be used for uses other than those specified in section 1. No responsibility is assumed for improper uses. Since the use of the product does not fall under the direct control of the Supplier or the manufacturer FIS&DM srl, it is the user's obligation to observe, under his own responsibility, the laws and regulations in force regarding national and Community hygiene and safety. The information contained in this SDS is provided in good faith and is based on the current state of scientific and technical knowledge, at the revision

date indicated, available from the Supplier indicated in section 1 of this sheet. The SDS should not be interpreted as a guarantee of any specific property of the substance or mixture. The information refers only to the substance or mixture specifically designated in section 1 and may not be valid for the substance or mixture used in combination with other materials or in other processes not specifically indicated in the text.

This version of the SDS supersedes all previous versions.

Changes from the previous revision.

Changes have been made to the following sections: 01/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16.