



according to the United Nations GHS (Rev. 4, 2011) Issue date: 20/10/2021 Revision date: 20/10/2021

Supersedes: 03/02/2017

Version: 2.5

SECTION 1: Identification 1.1. **GHS Product identifier** Product form Article Trade name DX-Cartridge UN-No. (ADR) 0323 Product code **BU Direct Fastening** 1.2. Other means of identification No additional information available Recommended use of the chemical and restrictions on use 1.3. CARTRIDGES FOR TOOLS, BLANK Use of the substance/mixture Recommended uses and restrictions For professional use only **Supplier's details** 1.4. Department issuing data specification sheet Supplier Hilti Saudi Arabia for Construction Tools LLC Hilti Entwicklungsgesellschaft mbH King Fahd Street Hiltistraße 6 P.O. Box 15930 86916 Kaufering - Deutschland 21454 Jeddah - Saudi Arabia T +49 8191 906876 T +966 2 213 8400 - F +966 2 697 4696 1.5. Emergency phone number Emergency number Schweizerisches Toxikologisches Informationszentrum - 24h Service +41 44 251 51 51 (international) +966 2 213 8400

SECTION 2: Hazard identification

Oleasification of the substance

The dismantling of the article is prohibited!, This article contains hazardous substances or preparations not intended to be released under normal or reasonably foreseeable conditions of use.

2.1.	Classification of the substance	or mixture	
Classi	fication according to the United Natior	ns GHS	
Explo	osives, Division 1.4	H204	Expert judgment
Full tex	xt of H-statements: see section 16		
2.2.	GHS Label elements, including	precautionary statements	
Labell	ing according to the United Nations GI	HS	
Haza	ard pictograms (GHS UN)		
		GHS01	
Signa	al word (GHS UN)	Warning	
Haza	ard statements (GHS UN)	H204 - Fire or projection hazard	

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Precautionary statements (GHS UN) P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P250 - Do not subject to shock, friction, grinding. P280 - Wear eye protection. P372 - Explosion risk. P370+P380+P375 - In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. P401 - Store in accordance with local regulations on explosives.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification

This article contains hazardous substances or preparations not intended to be released under normal or reasonably foreseeable conditions of use., The dismantling of the article is prohibited!, Keep away from ignition sources (including static discharges)

0.1 – 3

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures				
Comments	Caliber 6.8/11 (cal .27 short) white: titanium: 230; black: 260 Caliber 6.8/18 (cal .27 long) green: Caliber 6.3/10 (cal. 25) green 120;	max. net explosives weight each cartridge in mg: Caliber 6.8/11 (cal .27 short) white: 130; brown: 140; green: 160; yellow: 180; red: 230; titanium: 230; black: 260 Caliber 6.8/18 (cal .27 long) green: 190; yellow: 220; blue: 300; red: 330; black: 410 Caliber 6.3/10 (cal .25) green 120; yellow: 190; red: 230; black: 250 Caliber 5.5/16 (cal .22) grey: 105; brown: 120; green: 175; yellow: 210; red: 270		
	hermetically separated from the en destruction of the article. Propellant powder: glycerol trinitrat Mass per cartridge: essentially dep	Within the cartridges the explosive ingredients (gun powder and priming composition) are hermetically separated from the environment. They will be only opened with effort and under destruction of the article. Propellant powder: glycerol trinitrate containing nitrocellulose powder Mass per cartridge: essentially dependent on the required power (100-400 mg) Priming composition: SINOXID (initiating explosive) Mass per cartridge: 22-33 mg in the mean		
	Exposed propellant powder outside without tamping no explosion risk. Packed safety cartridges don't repr In case of reaction no dangerous fr Mechanical or thermal attempts to reaction of the dangerous ingredier	resent a significant ri agments or projectil expose the primer co	es will be formed.	
Name	Product identifier	%	Classification according to the United Nations GHS	
cellulose nitrate	(CAS-No.) 9004-70-0	5 – 21	Explosives, Division 1.1, H201	
glycerol trinitrate	(CAS-No.) 55-63-0	2 – 10	Explosives, Unstable explosives, H200 Acute toxicity (oral), Category 2, H300 Acute toxicity (dermal), Category 1, H310 Acute toxicity (inhal.), Category 2, H330 Specific target organ toxicity — Repeated exposure, Category 2, H373 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411	
lead styphnate	(CAS-No.) 15245-44-0	0.1 – 3	Explosives, Unstable explosives, H200 Acute toxicity (oral), Category 4, H302 Acute toxicity (inhalation:dust,mist) Category 4, H332 Reproductive toxicity, Category 1A, H360 Specific target organ toxicity — Repeated exposure, Category 2, H373 Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment	

barium nitrate

(CAS-No.) 10022-31-8

Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410

Acute toxicity (oral), Category 3, H301



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copper	(CAS-No.) 7440-50-8	0-2	Hazardous to the aquatic environment - Acute Hazard Not classified Hazardous to the aquatic environment - Chronic Hazard Not classified Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 3, H412
zinc	(CAS-No.) 7440-66-6	0 – 2	 Chronic Hazard, Category 3, H412 Hazardous to the aquatic environment Acute Hazard, Category 1, H400 Hazardous to the aquatic environment Chronic Hazard, Category 1, H410
diphenylamine	(CAS-No.) 122-39-4	0.1 – 1	Acute toxicity (oral), Category 3, H301 Acute toxicity (dermal), Category 3, H311 Acute toxicity (inhal.), Category 3, H331 Specific target organ toxicity — Repeated exposure, Category 2, H373 Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410
tetrazene	(CAS-No.) 109-27-3	0 – 1	Explosives, Unstable explosives, H200 Serious eye damage/eye irritation, Category 2A, H319 Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410

Full text of H-statements: see section 16

SECTION 4: First-aid measures Description of necessary first-aid measures 4.1. First-aid measures general In all cases of doubt, or when symptoms persist, seek medical attention. First-aid measures after inhalation Allow affected person to breathe fresh air. Allow the victim to rest. First-aid measures after skin contact Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness First-aid measures after eye contact persists. First-aid measures after ingestion Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. 4.2. Most important symptoms/effects, acute and delayed Symptoms/effects Not expected to present a significant hazard under anticipated conditions of normal use. Potential adverse human health effects and No additional information available. No harmful effects are to be expected if used properly. symptoms The contained ingredients can be harmful, but they are hermetically enclosed in the article and can not be released. The dismantling of the article is prohibited.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SEC	SECTION 5: Fire-fighting measures		
5.1.	Suitable extinguishing media		
Suital	ble extinguishing media	Dry powder. Water spray.	
Unsuitable extinguishing media		Do not use a heavy water stream.	
5.2.	Specific hazards arising from the cl	nemical	
Hazaı fire	rdous decomposition products in case of	Carbon monoxide. Carbon dioxide (CO2). Nitrous gasses.	



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5.3. Special protective actions for fire-fighters				
Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.			
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.			
SECTION 6: Accidental releas	e measures			
6.1. Personal precautions, prote	ctive equipment and emergency procedures			

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Gene	al measures	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1.1.	For non-emergency personnel	
Emerg	gency procedures	Evacuate unnecessary personnel.
6.1.2.	For emergency responders	
Protec	ctive equipment	Equip cleanup crew with proper protection.
Emer	gency procedures	Ventilate area.
6.2.	Environmental precautions	
Preven	entry to sewers and public waters. Notify	authorities if liquid enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up

Pick up loose cartridges only by hand. Exposed ingredients must be swept up carefully and phlegmatized in a water container, labelled according the regulations, wipe down with water the contamined area. Store away from other materials.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Do not subject to grinding, shock, friction. Take precautionary measures against static discharge. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed	Hazardous waste due to potential risk of explosion.
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Storage conditions	Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Store in a dry place.
Storage area	Store away from heat.
Incompatible products	Strong bases. Strong acids.
Information on mixed storage	Keep away from : Ignition sources. Do not store with: Store according to local legislation.
Storage temperature	5 – 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Other information

Do not eat, drink or smoke during use.



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8.3. Individual protection measures, such as personal protective equipment (PPE)

Eye protection

Skin and body protection

Safety glasses When using cartridge operated tools, sufficient ear protection must be worn.

Personal protective equipment symbol(s)



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. **Basic physical and chemical properties**

Physical state	Solid
Colour	According to product specification.
Odour	Not available
Odour threshold	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flammability (solid, gas)	Not available
Explosive limits	Not applicable
Lower explosive limit (LEL)	Not applicable
Upper explosive limit (UEL)	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
рН	Not available
pH solution	Not available
Viscosity, kinematic (calculated value) (40 °C)	Not applicable
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	Not available
Vapour pressure at 50 °C	Not available
Density	Not available
Relative density	Not available
Relative vapour density at 20 °C	Not applicable
Solubility	Not available
Explosive properties	Fire or projection hazard.
Particle size	Not available
Particle size distribution	Not available
Particle shape	Not available
Particle aspect ratio	Not available
Particle specific surface area	Not available



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9.2. Data relevant with regard to physical hazard classes (supplemental)

Additional information

Not applicable Article

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Nitrogen oxides. Metal oxides. Thermal decomposition can lead to the release of irritating gases and vapours.

SECTION 11: Toxicological information	
11.1. Information on toxicological effe	cts
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

glycerol trinitrate (55-63-0)		
LD50 oral rat	685 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 oral	685 mg/kg	
LD50 dermal rat	> 9560 mg/kg bodyweight (Equivalent or similar to OECD 402, Rat, Male / female,	
	Experimental value, Dermal)	
diphenylamine (122-39-4)		
LD50 oral rat	> 800 mg/kg bodyweight (Rat, Male, Experimental value, Oral)	
barium nitrate (10022-31-8)		
LD50 oral rat	50 – 300 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))	
LD50 oral	355 mg/kg	
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	> 1.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))	
zinc (7440-66-6)		
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	
Skin corrosion/irritation	Not classified	
Serious eye damage/irritation	Not classified	
Respiratory or skin sensitisation	Not classified	
Germ cell mutagenicity	Not classified	
Carcinogenicity	Not classified	
Reproductive toxicity	Not classified	



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STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	No additional information available. No harmful effects are to be expected if used properly. The contained ingredients can be harmful, but they are hermetically enclosed in the article and can not be released. The dismantling of the article is prohibited.
SECTION 12: Ecological information	on

2.1. Toxicity	
Ecology - general	No harmful effects are to be expected if used properly. The contained ingredients can be harmful, but they are hermetically enclosed in the article and can not be released.
	The dismantling of the article is prohibited.
Hazardous to the aquatic environment, short- erm (acute)	Not classified
Hazardous to the aquatic environment, long-tern chronic)	n Not classified
glycerol trinitrate (55-63-0)	
LC50 - Fish [1]	1.9 mg/l (ASTM E729-80, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Lethal)
NOEC chronic fish	0.03 mg/l
lead styphnate (15245-44-0)	
EC50 - Crustacea [1]	7 mg/l
diphenylamine (122-39-4)	
EC50 - Crustacea [1]	2 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Fresh wate Experimental value, Locomotor effect)
ErC50 algae	2.17 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Experimental value, GLP)
NOEC chronic algae	0.0273 mg/l
barium nitrate (10022-31-8)	
EC50 - Crustacea [1]	9018 mg/l
EC50 72h - Algae [1]	> 45.6 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
tetrazene (109-27-3)	
EC50 - Crustacea [1]	0.14 mg/l
copper (7440-50-8)	
LC50 - Fish [1]	200 µg/l (96 h, Salmo gairdneri, Flow-through system, Fresh water, Weight of evidence, Letha
EC50 - Crustacea [1]	109 – 798 µg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Weight of evidence, Locomotor effect)
EC50 72h - Algae [1]	230 μg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Weight of evidence, Growth rate)
zinc (7440-66-6)	
LC50 - Fish [1]	0.169 mg/l (Other, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Zincion)
EC50 - Crustacea [1]	416 μg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Ceriodaphnia dubia, Static system, Fresh water, Experimental value)
ErC50 algae	0.15 mg/l

12.2. Persistence and degradability

DX-Cartridge		
Persistence and degradability	Not established.	
alveoral tripitrate (FE 62.0)		
glycerol trinitrate (55-63-0)		
Not rapidly degradable		



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Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	53.6 g O ₂ /g substance
lead styphnate (15245-44-0)	
Not rapidly degradable	
diphenylamine (122-39-4)	
Not rapidly degradable	
Persistence and degradability	Not readily biodegradable in water.
ThOD	2.39 g O ₂ /g substance
barium nitrate (10022-31-8)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
tetrazene (109-27-3)	
Not rapidly degradable	
copper (7440-50-8)	
Not rapidly degradable	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
zinc (7440-66-6)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

DX-Cartridge	
Bioaccumulative potential	Not established.
glycerol trinitrate (55-63-0)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
diphenylamine (122-39-4)	
BCF - Fish [1]	51 – 253 (Cyprinus carpio, Literature study, Test duration: 8 weeks)
Partition coefficient n-octanol/water (Log Kow)	3.71 – 3.84 (Weight of evidence approach, OECD 107: Partition Coefficient (n-octanol/water):
	Shake Flask Method, 20.2 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
barium nitrate (10022-31-8)	
Bioaccumulative potential	Not bioaccumulative.
copper (7440-50-8)	
Bioaccumulative potential	Bioaccumulation: not applicable.
zinc (7440-66-6)	
BCF - Fish [1]	0.002 (40 day(s), Danio rerio, Semi-static system, Fresh water, Read-across)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

DX-Cartridge		
Mobility in soil	No additional information available	1



according to the United Nations GHS (Rev. 4, 2011)

glycerol trinitrate (55-63-0)		
Ecology - soil	Low potential for adsorption in soil.	
diphenylamine (122-39-4)		
Surface tension	71.8 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)	
Partition coefficient n-octanol/water (Log Koc)	2.818 – 2.917 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.	
barium nitrate (10022-31-8)		
Surface tension	No data available in the literature	
Ecology - soil	Adsorption to soil is possible.	
copper (7440-50-8)		
Ecology - soil	Adsorbs into the soil.	
zinc (7440-66-6)		
Surface tension	No data available in the literature	
Ecology - soil	Adsorbs into the soil.	
12.5. Other adverse effects		
Ozone	Not classified	

Other adverse effects

Not classified No additional information available

Avoid release to the environment.

Other information

SECTION 13: Disposal considerations 13.1. Disposal methods Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/na

Dispose in a safe manner in accordance with local/national regulations. Refer to manufacturer/supplier for information on recovery/recycling.

Ecology - waste materials Additional information Avoid release to the environment.

Cartridge strips with unused cartridges: Hazardous waste due to risk of explosion. European waste catalogue: 16 04 01* - waste ammunition. If possible use up the cartridges or store them for your next project.

If not possible to use up the cartridges - The strip is mixed municipal waste and the cartridge itself is "waste ammunition" and has to be disposed of by an authorized/certified company. If cartridges are used up: European waste catalogue: 20 03 01 - mixed municipal waste . The product (cartridges and strip) can be disposed of as household or factory waste.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	ΙΑΤΑ	RID
14.1. UN number or ID number	r		
UN 0323	UN 0323	UN 0323	UN 0323
14.2. UN proper shipping nam	ne		
CARTRIDGES, POWER DEVICE	CARTRIDGES, POWER DEVICE	Cartridges, power device	CARTRIDGES, POWER DEVICE
Transport document description			
UN 0323 CARTRIDGES,	UN 0323 CARTRIDGES,	UN 0323 Cartridges, power	UN 0323 CARTRIDGES,
POWER DEVICE, 1.4S, (E)	POWER DEVICE, 1.4S	device, 1.4S	POWER DEVICE, 1.4S
14.3. Transport hazard class(es)		
1.4S	1.4S	1.4S	1.4S
1.4	1.4	1.4	1.4



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ADR	IMDG	ΙΑΤΑ	RID
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment:	Dangerous for the environment:	Dangerous for the environment:	Dangerous for the environment
No	No	No	No
No supplementary information avai	Marine pollutant: No		
No supplementary information avai			
4.6. Special precautions for u	iser		
Overland transport			
Classification code (ADR)	1.4S		
Special provisions (ADR)	347		
Limited quantities (ADR)	0		
Packing instructions (ADR)	P134, LP102		
Mixed packing provisions (ADR)	MP23		
Transport category (ADR)	4		
Tunnel restriction code (ADR)	E		
Transport by sea			
Special provisions (IMDG)	347		
Limited quantities (IMDG)	0		
Packing instructions (IMDG)	P134, LP102		
EmS-No. (Fire)	F-B		
EmS-No. (Spillage)	S-X		
Stowage category (IMDG)	01		
Stowage and handling (IMDG)	SW1		
MFAG-No	114		
Air transport			
PCA packing instructions (IATA)	134		
PCA max net quantity (IATA)	25kg		
CAO packing instructions (IATA)	134		
Special provisions (IATA)	A165		
Rail transport			
Special provisions (RID)	347		
Limited quantities (RID)	0		
Packing instructions (RID)	P134, LP102		

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available



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SDS Major/Minor None			
Issue date 20/10/202	1		
Revision date 20/10/202	1		
Supersedes 03/02/201			
Section Changed item	Change	Comments	
Changed item	Change	Comments	
2.2 Precautionary statements (0 UN)	GHS Modified		
3 Composition/information on ingredients	Modified		
Abbreviations and acronyms ADN - Euro Inland Wat		ernational Carriage of Dangerous Goods by	
ADR - Euro Road	opean Agreement concerning the Inte	ernational Carriage of Dangerous Goods by	
	te Toxicity Estimate		
BCF - Bioc	concentration factor		
CLP - Clas	CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008		
	DMEL - Derived Minimal Effect level		
	rived-No Effect Level		
	EC50 - Median effective concentration		
	ARC - International Agency for Research on Cancer		
	IATA - International Air Transport Association		
	G - International Maritime Dangerous Goods		
	- Median lethal concentration		
	dian lethal dose		
	owest Observed Adverse Effect Leve		
	No-Observed Adverse Effect Concent	tration	
	No-Observed Adverse Effect Level		
	NOEC - No-Observed Effect Concentration		
	OECD - Organisation for Economic Co-operation and Development		
	sistent Bioaccumulative Toxic		
	edicted No-Effect Concentration Registration, Evaluation, Authorisatior	n and Restriction of Chemicals Regulation	
(EC) No 15	907/2006		
-	RID - Regulations concerning the International Carriage of Dangerous Goods by Rail SDS - Safety Data Sheet		
	vPvB - Very Persistent and Very Bioaccumulative		
	,	-	
Full text of H-statements: H200	Unstable explosives		
H201	Explosive; mass explosion hazard		
H204	Fire or projection hazard		
H300	Fatal if swallowed		
	Toxic if swallowed		
H301			
H301 H302	Harmful if swallowed		



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H311	Toxic in contact with skin
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H360	May damage fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.