

Safety Data Sheet according to Regulation (EU) 2015/830 Date of issue: 8/12/2019

	nce/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: SX - 4 - Closed system cleaning compound
1.2. Relevant identified uses of the substance	ce or mixture and uses advised against
1.2.1. Relevant identified uses	
No additional information available	
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety data	sheet
Gur Thermal Systems Cleaning Technologies Ltd., Is	rael.
+972 3 6492053 \ Fax: +972 3 6482892	
1.4. Emergency telephone number	
+972-544653064 / Local Health Authority.	
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixtu	re
Classification according to Regulation (EC) No. 12 2015/830 (REACH Annex II)	272/2008 [CLP]Mixtures/Substances: SDS EU 2015: According to Regulation (EU)
Skin corrosion/irritation, Category 1A	H314
Full text of H statements : see section 16	
Adverse physicochemical, human health and env Causes severe skin burns and eye damage. 2.2. Label elements	ironmental effects
Labelling according to Regulation (EC) No. 1272/2	2008 [CLP]
Hazard pictograms (CLP)	
	PG
	GHS05
Signal word (CLP)	: Danger
Hazardous ingredients	: Sodium Hydroxide solid
Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)	 P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower Immediately call a POISON CENTER or doctor.
2.3. Other hazards	
No additional information available	
SECTION 3: Composition/information of 3.1. Substances	n ingredients

Not applicable

3.2. MIXtures			
Name	Product identifier		Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Hydroxide solid	(CAS-No.) 1310-73-2	<20	Skin Corr. 1A, H314 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general	: Call a physician immediately.	

SX - 4 - Closed system cleaning compound Safety Data Sheet

Safety Data Sheet according to Regulation (EU) 2015/830	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
4.3. Indication of any immediate medical a Treat symptomatically.	ttention and special treatment needed
SECTION 5: Firefighting measures 5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the subs	
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release measu 6.1. Personal precautions, protective equi	
6.1.1. For non-emergency personnel	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe
Emergency procedures	dust/fume/gas/mist/vapours/spray.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions Avoid release to the environment.	
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s) No additional information available	
SECTION 8: Exposure controls/persor	hal protection
8.1. Control parameters No additional information available	
8.2. Exposure controls	
Appropriate engineering controls: Ensure good ventilation of the work station.	
Hand protection:	
Protective gloves	
Eye protection:	
Safaty alaccoc	

Safety glasses

Safety Data Sheet according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

	SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical prop			
	Physical state	: Liquid	
	Colour	: Colorless to beige color	
	Odour	: Caustic / Mild	
	Odour threshold	: No data available	
	рН	: 14	
	Relative evaporation rate (butylacetate=1)	: No data available	
	Melting point	: Not applicable	
	Freezing point	: 0 °C	
	Boiling point	: 100 °C	
	Flash point	: No data available	
	Auto-ignition temperature	: No data available	
	Decomposition temperature	: No data available	
	Flammability (solid, gas)	: Not applicable	
	Vapour pressure	: ab. 5 mm at 20 cen grade	
	Evaporation rate	< 1 (BuAc = 1)	
	Relative vapour density at 20 °C	: No data available	
	Relative density	: No data available	
	Density	: 1.25 g/cm ³	
	Solubility	: Soluble	
	Log Pow	: No data available	
	Viscosity, kinematic	: No data available	
	Viscosity, dynamic	: No data available	
	Explosive properties	: No data available	
	Oxidising properties	: No data available	
	Explosive limits	: No data available	
	9.2 Other information		

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 14

Safety Data Sheet according to Regulation (EU) 2015/830

Serious eye damage/irritation	: Serious eye damage, category 1, implicit
	pH: 14
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

: Before neutralisation, the product may represent a danger to aquatic organisms.
: Not classified
: Not classified
45.4 mg/l Salmo gairdneri, Static system, Fresh water, Experimental value
40.4 mg/l Ceriodaphnia sp., Experimental value

SECTION 13: Disposal considerations

13.1. Waste treatment methods Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN					
ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number					
1760	1760	1760	1760	1760	
14.2. UN proper shippin	g name				
CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S.	Corrosive liquid, n.o.s.	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S.	
14.3. Transport hazard o	class(es)				
8	8	8	8	8	
8	8	8	8	8	
14.4. Packing group					
III	III	III	III	III	
14.5. Environmental hazards					
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	
No supplementary information available					

Safety Data Sheet according to Regulation (EU) 2015/830

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14.6. Special precautions for user	
Overland transport	
Classification code (ADR)	: C9
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP28
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	80 1760
Tunnel restriction code (ADR)	:E
EAC code	: 2X
APP code	: B
Transport by sea Special provisions (IMDG)	: 223, 274
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L
Inland waterway transport	
Classification code (ADN)	: C9
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	:T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: C9
Special provisions (RID)	: 274
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
	· · ·

Safety Data Sheet

according to Regulation (EU) 2015/830

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Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP1, TP28
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80
14.7 Transport in bulk according to Appay	I of Mornol and th

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

Germany

dermany	
Reference to AwSV	: Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Netherlands	
SZW-lijst van kankerverwekkende stoffen	: None of the components are listed
SZW-lijst van mutagene stoffen	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed
Denmark	
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product
15.2. Chemical safety assessment	
No chemical safety assessment has been carried out	

SECTION 16: Other information

Full text of H- and EUH-statements:	II text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Skin Corr. 1A	Skin corrosion/irritation, Category 1A	
H314	Causes severe skin burns and eye damage.	
H412	Harmful to aquatic life with long lasting effects.	

SDS EU (REACH Annex II)

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.