

SAFETY DATA SHEET Solute Machine Interior Cleaner

Accordance with regulation 453/2010

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

1.1 Product name Product : Solute Machine Interior Cleaner description : Cleaning Products **Recommended use** : Industrial/Professional use 1.2 Relevant identified uses of the substance or mixture and uses advised against Use: cleaning agent 1.3 Details of the supplier of the safety data sheet Address of the Company / Supplier : 1.3.1 U&I Concepts B.V., Zirkoon 200, 3316 KD, Dordrecht, 085-0211582, info@uniconcepts.nl 1.3.2 **Responsible :** CoSiChem AG, Ernst-Lemmer-Straße 27, D - 35041 Marburg, E-Mail : info@cosichem.de 1.4 **Emergency telephone number** Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning Telephone : +41 (0)44 879 16 31 (8:00 - 16:30) Telephone : +44 870 600 6266 **SECTION 2: Hazards identification** Classification of the substance or mixture Classification and labelling according to Directive 1272/2008/EC: Eve Dam. 1 / Skin Irrit. 2 Classification and labelling according to Directive 67/548/EEC / 1999/45/EC: Irritant 2.2 Label elements Classification according to 1272/2008/EC : Yes. Applicable Exemptions : No. Hazard pictogram(s) : Signal word(s) : Danger Component(s) : H - Phrases : H 315: Causes skin irritation. H 318: Causes serious eye damage. P - Phrases : P 102: Keep out of reach of children. P 260: Do not breathe dust/fume/gas/mist/vapours/spray. P 305 + P 351 + P 338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P 302 + P 352: IF ON SKIN: Wash with plenty of soap and water. P 301 + P 315 + P 101: IF SWALLOWED: Get immediate medical advice/attention. If medical advice is needed, have product container or label at hand. Additional Markings : None. Classification according to EEC - Regulations : Yes. Applicable Exemptions : No. Hazard Symbol(s) : Hazard Identification : Irritant Component(s) : R - Phrases : R 36/38: Irritating to eyes and skin. S - Phrases : S 2: Keep out of reach of children. S 22: Do not breathe dust. S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 28: After contact with skin, wash immediately with plenty of water. S 46: If swallowed, seek medical advice immediately and show this container or label.

Additional Markings : None.

The above mentioned labelling is valid for distribution to industrial user/ private consumer.

2.3 Other hazards

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

SECT	ION 3: Com	position/inf	ormation or	n ingredients					
3.1	Substance	•							
3.2	Mixtures								
	Chemical Characterisation :								
	Preparation								
		s Ingredients		Meterial		Cumhal			
	CAS - NO. 68154-97-2	Index - No. n.av.	EEC - No. n.av.	Alcohols, C10-12, ethoxylated	m% - range 1 - 10%	Symbol Xi	R / H - phrases		
	94441-92-6	n.av.	305-318-6	propoxylated Sodium N-(2-carboxyethyl)-N-		GHS05 Xi	H315 H318 R 38-41		
	94441-92-0	11.dv.	305-318-0	(2-ethylhexyl)-b-alaninate	1 - 5%	GHS05	H315 H318		
	1310-58-3	019-002-00-8	215-181-3	Potassium hydroxide	0,5 - 2%	C GHS05 GHS07	R 22-35 H302 H314		
SECT		aid measur							
.1	-	n of first aid ı	measures						
.1.1	Inhalation	-							
				inhalation of dust or fume	es from overhe	eating or comb	oustion.		
10		s persist, call a	a physician.						
.1.2	Skin Conta								
10			rritation persis	sts, call a physician.					
.1.3	Eye Contac				nta at lana, and		at a lu u uith		
	Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with								
1 /	plenty of water, also under the eyelids, for at least 15 minutes.								
.1.4	Ingestion :								
	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Call a physician immediately. Show this safety data sheet to the doctor in attendance.								
2						nuance.			
.2				ts, both acute and delay		ration of the			
	the stomac		or the mouth	and throat, as well as a d	anger of perio		besophagus and		
2			diata madiaal	attention and special tr	contract noo	dad			
.3			diate medical	attention and special tr	reatment need	ueu			
	Treat sympt	tomatically.							
ECT	ION 5: Firef	ighting mea	sures		n +				
.1	Extinguish								
.1.1		xtinguishing							
				"alcohol" foam.					
.1.2	-	ing Media to	Avoid :						
	None.								
.2				bstance or mixture					
			lowing can be	released: Carbon oxides	, nitrogen oxic	les (NO _x)			
.3		firefighters							
.3.1		otective Equi							
	•	•		breathing apparatus. We	ar full protectiv	ve clothing.			
.3.2	Additional	Information :							
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Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6.1		
o.1	ON 6: Accidental rele	
		protective equipment and emergency procedures
	See chapter 8.2.2	will be extremely elimeny
<u> </u>		will be extremely slippery.
6.2	Environmental precau	
6.0		ter. Local authorities should be advised if significant spillages cannot be contained.
6.3		for containment and cleaning up rbent material (e.g. sand, universal binder, sawdust).
	Shovel into suitable cor	
6.4	Reference to other se	
J. T	None.	cuons
	None.	
SECTI	ON 7: Handling and s	
7.1	Precautions for safe h	andling
7.1.1	Precautions for Safe H	
		and eyes. Take off all contaminated clothing immediately.
		, drink or smoke. Wash hands before breaks and at the end of workday.
		add the product to water. Never add water to the product.
7.1.2	Precautions in Case of	
		reventive fire protection.
⁷ .2		orage, including any incompatibilities
'.2.1	Storage Instructions :	
	Keep container tightly c	losed in a dry and well-ventilated place.
0.0		ed with alkali resistant flooring. Do not use containers made of light metals.
.2.2	Store away from :	
		, strong oxidizing agents.
7.2.3		n Storage Conditions :
7.0	None. Specific end use(s)	
7.3		
	n.av.	
SECTI	n.av.	rols/personal protection
	n.av. ON 8: Exposure control parameters	rols/personal protection
	n.av. ON 8: Exposure cont	rols/personal protection
	n.av. ON 8: Exposure control parameters	
3.1	n.av. ON 8: Exposure control Control parameters Material	
3.1 3.2	n.av. ON 8: Exposure control Control parameters Material Exposure controls	Limit Value
3.1 3.2	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri	Limit Value
SECTI 3.1 3.2 3.2.1	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri	Limit Value
3.1 3.2 3.2.1	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri	Limit Value
3.1 3.2 3.2.1 3.2.2	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection r	Limit Value
3.1 3.2 3.2.1 3.2.2 3.2.2 3.2.2a	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection r	Limit Value Ing controls naust ventilation at machinery. measures
3.1 3.2	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection of Respiratory Protection	Limit Value Ing controls naust ventilation at machinery. measures n : Not required under normal use Protective gloves complying with EN 374 (butyl-rubber, break through time > 8h) The choice of an appropriate glove does not only depend on its material but
3.1 3.2 3.2.1 3.2.2 3.2.2	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection of Respiratory Protection	Limit Value ng controls naust ventilation at machinery. measures n : Not required under normal use Protective gloves complying with EN 374 (butyl-rubber, break through time > 8h) The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
3.1 3.2 3.2.1 3.2.2 3.2.2	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection of Respiratory Protection	Limit Value Ing controls naust ventilation at machinery. measures n : Not required under normal use Protective gloves complying with EN 374 (butyl-rubber, break through time > 8h) The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time
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3.1 3.2 3.2.1 3.2.2 3.2.2a 3.2.2b	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection i Respiratory Protection Hand Protection :	Limit Value Ing controls naust ventilation at machinery. measures n : Not required under normal use Protective gloves complying with EN 374 (butyl-rubber, break through time > 8h) The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
3.1 3.2 3.2.1 3.2.2 3.2.2a 3.2.2b 3.2.2b	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection i Respiratory Protection Hand Protection :	Limit Value Ing controls naust ventilation at machinery. measures n : Not required under normal use Protective gloves complying with EN 374 (butyl-rubber, break through time > 8h) The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Tightly fitting safety goggles
3.1 3.2 3.2.1 3.2.2 3.2.2a 3.2.2b	n.av. ON 8: Exposure control Control parameters Material Exposure controls Appropriate engineeri Provide appropriate ext Individual protection i Respiratory Protection Hand Protection :	Limit Value Ing controls haust ventilation at machinery. measures n : Not required under normal use Protective gloves complying with EN 374 (butyl-rubber, break through time > 8h) The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Tightly fitting safety goggles Protective suit

n.av.

SECTI	ON 9: Physical and chemical propert	ties
9.1	Information on basic physical and cher	
9.1.1		ur : clear Odour : characteristic
9.1.2 9.1.3 9.1.4 9.1.5 9.1.6 9.1.7 9.1.8 9.1.9 9.1.10 9.1.11 9.1.12 9.1.13 9.1.14 9.1.15 9.1.16 9.2 9.2.1 9.2.2	pH-value, undiluted : Boiling point / Boiling - range (°C) : Flash point (°C, c.c.) : Flammability (EEC A10/A13) : Ignition temperature (°C) : Autoflammability (EEC A16) : Oxidising properties : Explosion hazard : Explosion limits (Vol.%) lower : Vapour pressure : Density (g/ml) : Solubility (in Water) : Partition coefficient, n-Octanol/Water : Viscosity : Solvent content (m %) : Other information Thermal decomposition (°C) : Vapour density (Air = 1) :	10,8 – 11,3, pH-value, 1% aqueous solution : n.av. n.av., Melting point / Melting range (°C) : n.av. n.ap., No. n.av. No. No. n.ap. n.ap., upper : n.av. n.av. ~ 1 completely miscible n.av. n.av. n.av. n.av. n.av. n.ay.
SECTI	ON 10: Stability and reactivity	
10.1	Reactivity	
10.2	None. Chemical stability Stable under normal conditions.	
10.3	Possibility of hazardous reactions Gives off hydrogen by reaction with metal	s.
10.4	Conditions to avoid No conditions to be specially mentioned.	-
10.5	Incompatible materials Incompatible with strong acids and oxidizi	ing agents
10.6	Hazardous decomposition products No decomposition if stored and applied as To avoid thermal decomposition, do not o	s directed.
SECTI	ON 11: Toxicological information	
11.1 11.1.1	Information on toxicological effects Acute Health Effects : Inhalation, LC50 rat, (mg/l/4h) : Ingestion, LD50 rat, (mg/kg) : Skin - contact, LD50 rat, (mg/kg) : Irritation (to skin / eye) : Sensitisation :	n.av. n.av. n.av. Irritating to skin. Risk of serious damage to eyes. n.av.
11.1.2	Subacute / Chronic Toxicity : Carcinogenicity : Mutagenicity : Teratogenicity : Narcotic Effects :	n.av. n.av. n.av. None.
11.1.3 11.1.3.1	Practical Experience Observations relevant for classification :	
11.1.3.2	None. Further Observations :	
11.1.4	None. General Remarks : Classification of the preparation has been	n done by calculation in accordance with EEC directives.

SECTI	ON 12: Ecological information							
12.1	Toxicity							
	We have no quantitative data concerning the	ecological effects of this	product.					
12.2	Persistence and degradability Contained tenside is more than 90% biodegradable.							
10.0	Solutions with high pH-value must be neutral	ized before discharge.						
12.3	Bioaccumulative potential							
12.4	n.av.							
12.4	Mobility in soil n.av.							
12.5	Results of PBT and vPvB assessment							
	n.av.							
12.6	Other adverse effects							
12.6.1	COD-Value, mg/g :	n.av.						
12.6.2		n.av.						
12.6.3	AOX-Remarks :	Not applicable.						
12.6.4	5	None.						
12.6.5	Other adverse effects :	Not applicable.						
	ON 13: Disposal considerations							
13.1	Waste treatment methods		00.04.00					
13.1.1	Recommendation : D10		20 01 29	and a should be assigned				
				e code should be assigned ion between the user, the				
		producer and the waste disposal company.						
	In addition comply with the regional authoritie		oompany.					
13.2	Contaminated Packaging							
13.2.1		er. Otherwise as describe	ed under F	Residues				
13.2.2	Safe Handling : As described under Resi	dues.						
13.2.2	Safe Handling : As described under Resi	dues.						
		dues.						
	Safe Handling : As described under Resi ON 14: Transport information ADR	dues.		ΙΑΤΑ				
	ON 14: Transport information	IMDG	ance as	IATA Not a dangerous substance				
	ON 14: Transport information ADR	IMDG		Not a dangerous substance as defined in the above				
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SECTI	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above				
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SECTI 14.1 14.2	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above				
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SECTI 14.1 14.2	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es)	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above				
SECTI 14.1 14.2 14.3	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above				
SECTI 14.1 14.2 14.3 14.4	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above				
SECTI 14.1 14.2 14.3	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es)	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above				
SECTI 14.1 14.2 14.3 14.4 14.5	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above				
SECTI 14.1 14.2 14.3 14.4	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards Special precautions for user	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above regulations.				
SECTI 14.1 14.2 14.3 14.4 14.5	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards Special precautions for user Transport-category :	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above regulations.				
SECTI 14.1 14.2 14.3 14.4 14.5	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards Special precautions for user Transport-category : Classification Code :	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above regulations.				
SECTI 14.1 14.2 14.3 14.4 14.5	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards Special precautions for user Transport-category : Classification Code : Hazard - No.:	IMDG Not a dangerous substa		Not a dangerous substance as defined in the above regulations.				
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SECTI 14.1 14.2 14.3 14.4 14.5 14.6	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards Special precautions for user Transport-category : Classification Code : Hazard - No.: LQ:	IMDG Not a dangerous substance defined in the above reg Image: Im	gulations.	Not a dangerous substance as defined in the above regulations.				
SECTI 14.1 14.2 14.3 14.4 14.5	ON 14: Transport information ADR Not a dangerous substance as defined in the above regulations. UN number UN proper shipping name Transport hazard class(es) Packing group Environmental hazards Special precautions for user Transport-category : Classification Code : Hazard - No.:	IMDG Not a dangerous substance defined in the above reg Image: Im	gulations.	Not a dangerous substance as defined in the above regulations.				

SECTION 15: Regulatory information

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

No data available.

15.2 **Chemical safety assessment :** None.

SECTION 16: Other information

Text of R / H phrases mentioned in Section 3

R 22: Harmful if swallowed.

- R 35: Causes severe burns.
- R 38: Irritating to skin.
- R 41: Risk of serious damage to eyes.

H 302: Harmful if swallowed.

H 314: Causes severe skin burns and eye damage.

H 315: Causes skin irritation.

H 318: Causes serious eye damage.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products. Prepared by : CoSiChem AG, Ernst-Lemmer-Straße 27, D - 35041 Marburg, 2 +49-6421-886563 Receipt of Data : 30.01.2013, ctg 0008



concepts