

Hydrochloric acid 37%

SOLUS ONE SALMONELLA (SAL1-0096 & SAL1-0480)

SECTION 1: Identification of the sub	ostance/mixture and of the con	npany/undertak	ina
1.1. Product identifier		npany/anaortai	
Product form	: Mixture		
Product name	: SOLUS ONE SALMONELLA (SA	AL1-0096 & SAL1-04	480)
.2. Relevant identified uses of the subs	stance or mixture and uses advise	d against	
.2.1. Relevant identified uses			
lain use category	: Laboratory use, Industrial use, Pro	fessional use	
ndustrial/Professional use spec	: For professional use only		
Jse of the substance/mixture	: For analytical purposes		
	Scientific research and developm Not for human consumption or ve		
.2.2. Uses advised against			
lo additional information available			
.3. Details of the supplier of the safety	data sheet		
Supplier			
Solus Scientific Solutions			
Jnit 9, Mansfield Network Centre ⁄lillenium Business Park, Concorde Way			
JG19 7JZ Mansfield			
+44 (0) 1623 429701 olus.info@perkinelmer.com			
.4. Emergency telephone number			
mergency number	: +44 (0) 1623 429701		
SECTION 2: Hazards identification			
.1. Classification of the substance or n	nixture		
Classification according to Regulation (EC)	No. 1272/2008 [CLP]		
Not classified			
Adverse physicochemical, human health and No additional information available	a environmental effects		
2.2. Label elements			
Not classified.			
2.3. Other hazards This substance/mixture does not meet the PBT	criteria of REACH regulation appex XIII		
his substance/mixture does not meet the PDF	-		
This substance/mixture does not meet the VPVB	Chiefia of REACH regulation, annex Ann		
SECTION 3: Composition/information Section Section Section 2: Composition Section Section 2: Sectio	on on ingrealents		
lot applicable			
3.2. Mixtures			
Comments			ts are manufactured using various
			o EC regulations, 1272/2008, EC Hazard communication standard
	29CFR 1910-120		
		es products that are	classified as hazardous according to
	EC regulations, 1272/2008 E	EC Directives 67548	/45/EC and OSHA Hazard
	communications standard 29	9CFR 1910-120, the	y are listed below:
Name	Product identifier	%	Classification according to
Name		/0	Regulation (EC) No.
			1272/2008 [CLP]
Sulphurie acid 0.2M aqueous colution	(CAS No.) 7664 02 0	< F	
Sulphuric acid 0.2M aqueous solution	(CAS-No.) 7664-93-9	<= 5	Met. Corr. 1, H290 Skin Corr. 1, H314
			,
Bovine Serum Albumin	(CAS-No.) 9048-46-8 (EC-No.) 232-936-2	<= 5	STOT SE 3, H335
	, ,		
Tris(hydroxymethyl)aminomethane	(CAS-No.) 77-86-1	<= 5	Eye Irrit. 2, H319 STOT SE 3, H335
			5101 52 5, 11555

(CAS-No.) 7647-01-0

Met. Corr. 1, H290

Skin Corr. 1, H314 STOT SE 3, H335

<= 3

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ProClin 300	(CAS-No.) N/A (EC-No.) N/A	<= 1.25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:vapour), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1C, H314 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Antifoam solution		<= 1	Eye Irrit. 2, H319
ProClin 950	(CAS-No.) N/A (EC-No.) N/A	<= 0.2	Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1C, H314 Skin Sens. 1B, H317 Aquatic Acute 1, H400
Sodium hydroxide 40% solution	(CAS-No.) 1310-73-2	<= 0.2	Met. Corr. 1, H290 Skin Corr. 1, H314
Comments		72/200/, EC Directiv 29CFR 1910-1200 ide with,0.5% (N-m ncluded the mixture 1272/2008	ethylpyrrolidone; Cas; 872-50-4; is not classified according to
Full text of H-statements: see section 16	Salmonella Monoclonal conjugati killed E.coli NCT11560 in brain ir Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon	fusion broth; <0.019 n; <15% 7-83-4; Salmonella	o HRP) Heat %
	Salmonella Monoclonal conjugat killed E.coli NCT11560 in brain ir Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP)	fusion broth; <0.019 n; <15% 7-83-4; Salmonella	o HRP) Heat %
Full text of H-statements: see section 16 SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general	Salmonella Monoclonal conjugate killed E.coli NCT11560 in brain ir Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pacl	o HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by
SECTION 4: First aid measures 4.1. Description of first aid measures	Salmonella Monoclonal conjugate killed E.coli NCT11560 in brain in Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon : If possible show this sheet, if not mouth to an unconscious person	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pack Do not leave affect tim to fresh air and ficial respiration if n	o HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation	Salmonella Monocional conjugate killed E.coli NCT11560 in brain ir Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon : If possible show this sheet, if not mouth to an unconscious person : If breathing is difficult, remove vic for breathing. Give oxygen or arti persist : Get medical advice/atter : After contact with skin, take off in	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pack Do not leave affect tim to fresh air and ficial respiration if n tition.	o HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable ecessary. If breathing difficulties
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact	Salmonella Monocional conjugate killed E.coli NCT11560 in brain ir Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon : If possible show this sheet, if not mouth to an unconscious person : If breathing is difficult, remove vic for breathing. Give oxygen or arti persist : Get medical advice/atter : After contact with skin, take off im immediately with plenty of water. persists, consult a doctor.	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pack Do not leave affect tim to fresh air and ficial respiration if n tition. Immediately all conta Do not remove clot water. Remove con	o HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable ecessary. If breathing difficulties minated clothing, and wash hing if it sticks to the skin. If irritation tact lenses, if present and easy to do.
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	Salmonella Monocional conjugate killed E.coli NCT11560 in brain in Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon : If possible show this sheet, if not mouth to an unconscious person : If breathing is difficult, remove vic for breathing. Give oxygen or arti persist : Get medical advice/atter : After contact with skin, take off in immediately with plenty of water. persists, consult a doctor. : Rinse immediately with plenty of Continue rinsing. If eye irritation p	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pact Do not leave affect tim to fresh air and ficial respiration if n tition. Imediately all conta Do not remove clot water. Remove con persists: Get medica	o HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable ecessary. If breathing difficulties minated clothing, and wash hing if it sticks to the skin. If irritation tact lenses, if present and easy to do. al advice/attention.
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and effective	Salmonella Monocional conjugate killed E.coli NCT11560 in brain in Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon : If possible show this sheet, if not mouth to an unconscious person : If breathing is difficult, remove vic for breathing. Give oxygen or arti persist : Get medical advice/atter : After contact with skin, take off in immediately with plenty of water. persists, consult a doctor. : Rinse immediately with plenty of Continue rinsing. If eye irritation p : Rinse mouth out with water. Do n	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody Do not leave affect tim to fresh air and ficial respiration if n titon. Imediately all conta Do not remove clot water. Remove com persists: Get medica ot induce vomiting.	o HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable ecessary. If breathing difficulties minated clothing, and wash hing if it sticks to the skin. If irritation tact lenses, if present and easy to do. al advice/attention. Get medical advice/attention.
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and effects Symptoms/effects	Salmonella Monocional conjugate killed E.coli NCT11560 in brain in Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon : If possible show this sheet, if not mouth to an unconscious person : If breathing is difficult, remove vic for breathing. Give oxygen or arti persist : Get medical advice/atter : After contact with skin, take off in immediately with plenty of water. persists, consult a doctor. : Rinse immediately with plenty of Continue rinsing. If eye irritation p : Rinse mouth out with water. Do n	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pack Do not leave affect tim to fresh air and ficial respiration if n tion. Imediately all conta Do not remove clot water. Remove conto persists: Get medica ot induce vomiting.	b HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable ecessary. If breathing difficulties minated clothing, and wash hing if it sticks to the skin. If irritation tact lenses, if present and easy to do. al advice/attention. Get medical advice/attention. hticipated conditions of normal use.
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion 4.2. Most important symptoms and effects Symptoms/effects after inhalation	Salmonella Monocional conjugate killed E.coli NCT11560 in brain ir Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon is figure for the server of the server for breathing is difficult, remove vice for breathing. Give oxygen or artic persist : Get medical advice/atter After contact with skin, take off im immediately with plenty of water. persists, consult a doctor. Rinse immediately with plenty of Continue rinsing. If eye irritation p Rinse mouth out with water. Do n ects, both acute and delayed Not expected to present a signific Vapour/ mist from product, if pres	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pack Do not leave affect tim to fresh air and ficial respiration if no ticial respiratio	b HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable ecessary. If breathing difficulties minated clothing, and wash hing if it sticks to the skin. If irritation tact lenses, if present and easy to do. al advice/attention. Get medical advice/attention. hticipated conditions of normal use. ation after an excessive inhalation
SECTION 4: First aid measures 4.1. Description of first aid measures First-aid measures general	Salmonella Monocional conjugate killed E.coli NCT11560 in brain ir Heat inactivated Foetal calf serur Bovine gamma globulin; Cas 900 (conjugated to HRP) Biotinylated Salmonella Polyclon is fighted Salmonella Polyclon	fusion broth; <0.019 n; <15% 7-83-4; Salmonella al capture antibody available show pack Do not leave affect tim to fresh air and ficial respiration if n titon. Immediately all contai Do not remove clot water. Remove com persists: Get medica ot induce vomiting. ant hazard under ai ent, may cause irrit	co HRP) Heat % polyclonal conjugated Ab kaging or label. Never give anything by ted person unattended. keep at rest in a position comfortable ecessary. If breathing difficulties minated clothing, and wash hing if it sticks to the skin. If irritation tact lenses, if present and easy to do. al advice/attention. Get medical advice/attention. Inticipated conditions of normal use. ation after an excessive inhalation

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the substa Hazardous decomposition products in case of fire	nce or mixture : Toxic fumes.
5.3. Advice for firefighters	
Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.
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.

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Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Warn all persons of toxic hazard.

SECTION 6: Accidental release measures			
	equipment and emergency procedures		
General measures	: Isolate from fire, if possible, without unnecessary risk. Do not breathe gas, fumes, vapour or spray. No flames, no sparks. Eliminate all sources of ignition.		
6.1.1. For non-emergency personnel			
Protective equipment	: Wear recommended personal protective equipment.		
Emergency procedures	: Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.		
Measures in case of dust release	: Shelter from vapours by keeping upwind. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).		
6.1.2. For emergency responders			
Protective equipment	: Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.		
Emergency procedures	: Ventilate area.		
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.			
6.3. Methods and material for containment and cleaning up			
For containment	: Collect spillage. Contain the spilled material by bunding.		
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Try to stop release if without risk.		

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid formation of vapours. Provide local exhaust or general room ventilation.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storage, including a	any incompatibilities
Technical measures	: Ensure adequate ventilation, especially in confined areas.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use.
Incompatible products	: Strong oxidizing agents.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	: 2 - 8 °C
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage area	: Store in a dry place. Store in a closed container.
7.3. Specific end use(s)	

For analytical purposes. Scientific research and development. Not for human consumption. PC21 Laboratory chemicals

8.1. Control parameters SOLUS ONE SALMONELLA United Kingdom 1-methy-2-pyrrolidone (Long Term Exposure Limit): 40 mg.m-3 8.2. Exposure controls	SECTION 8: Exposure controls/personal protection		
United Kingdom 1-methy-2-pyrrolidone (Long Term Exposure Limit): 40 mg.m-3	8.1. Control parameters		
	SOLUS ONE SALMONELLA		
8.2. Exposure controls	United Kingdom 1-methy-2-pyrrolidone (Long Term Exposure Limit): 40 mg.m-3		
Appropriate engineering controls:			

Handle in accordance with good industrial hygiene and safety procedures. Floors should be impervious, resistant to liquids and easy to clean.

Personal protective equipment:

Avoid all unnecessary exposure.

Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

Hand protection:

The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374

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Туре	Material		Permeation	Thickness (mm)	Penetrati	on	Standard	
Disposable gloves	Nitrile rubb	er (NBR)	6 (> 480 minutes)	0.11			EN 374	
Eye protection:								
Emergency eye wash designed to protect a			ble in the immediate vi	cinity of any potential exp	oosure. Use e	ye protection	according to EN 166	
Туре		Use		Characteristics		Standard		
Safety glasses		Fine dust, D	Dust	With side shields	With side shields E		EN 166	
Skin and body prote	ection:							
Emergency safety sh	owers should b	e available i	n the immediate vicinit	v of any notential exposu	ra Kaon quita			
clothing readily availa	ble for emerge				re. Reep Suita	bie chemical	ly resistant protective	
clothing readily availa	ble for emerge			Standard			ly resistant protective	
<u> </u>					re. Keep suita		ly resistant protective	
Туре	ive clothing			Standard			ly resistant protective	
Type Long sleeved protecti Respiratory protecti	ive clothing	ency use		Standard	· · · · · · · · · · · · · · · · · · ·			
Type Long sleeved protecti Respiratory protecti	ive clothing	ency use		Standard EN ISO 13982	· · · · · · · · · · · · · · · · · · ·			

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical p	
9.1. Information on basic physical and ch Physical state	iemical properties : No data available
Colour	: No data available
Odour	: No data available.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
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	
Additional information	: Kit consists of microwell plate(s) and various liquid solutions

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 recommended handling and storage conditions (see section 7).
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials Strong oxidizers.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. Thermal decomposition generates :

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
ProClin 300 (N/A)	
LD50 oral rat	862 mg/kg
LD50 dermal rabbit	2800 mg/kg
Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and	: Based on available data, the classification criteria are not met.
symptoms	
SECTION 12: Ecological information	
Hazardous to the aquatic environment, short-term	: Not classified
(acute)	

Hazardous to the aquatic environment, long-term : (chronic)	Not classified
12.2. Persistence and degradability	
SOLUS ONE SALMONELLA	
Persistence and degradability	No data available.
Bovine Serum Albumin (9048-46-8)	
Persistence and degradability	No data available.
ProClin 300 (N/A)	
Persistence and degradability	No data available.
ProClin 950 (N/A)	
Persistence and degradability	No data available.

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12.3. Bioaccumulative potential	
SOLUS ONE SALMONELLA	
Bioaccumulative potential	No data available.
Bovine Serum Albumin (9048-46-8)	
Bioaccumulative potential	No data available.
ProClin 300 (N/A)	
Bioaccumulative potential	No data available.
ProClin 950 (N/A)	
Bioaccumulative potential	No data available.
12.4. Mobility in soil	
No additional information available 12.5. Results of PBT and vPvB assessmen	t
SOLUS ONE SALMONELLA	
This substance/mixture does not meet the PBT cri	teria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB c	iteria of REACH regulation, annex XIII
Component	
Bovine Serum Albumin (9048-46-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ProClin 300 (N/A)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ProClin 950 (N/A)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
12.6. Other adverse effects	
Additional information	: Avoid release to the environment.

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.2. UN proper shipping name					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard class(es)					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					
14.6. Special precautions for user					

Overland transport

Not regulated

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Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Other information : Results of 1-methyl-pyrrolidone, short term sampling (pouring of substrate reagent into reagent containers) were below the Short-Term Exposure Limit (STEL) of 80mg/m-3. The Short-term exposure was performed over a 2-minute period and the analyte was below the limit of analytical detection. : Results of 1-methyl-pyrrolidone, long term sampling (60ml of substrate reagent in 3 x 20ml aliquots with air exposure) were below the Long-Term Exposure Limit (STEL) of 40mg/m-3. The Long-term exposure was

performed over an 8-hour period and the analyte was below the limit of analytical detection. : This SDS has been produced by Molekula Ltd.

: Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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Full text of H- and EUH-statements:		
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Met. Corr. 1	Corrosive to metals, Category 1	
Skin Corr. 1	Skin corrosion/irritation, Category 1	
Skin Corr. 1C	Skin corrosion/irritation, Category 1C	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H290	May be corrosive to metals.	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H400	Very toxic to aquatic life.	
H410	Very toxic 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.