HYDRANAL™ NEXTGEN Coulomat A-FA

34471-6X500ML

Version 1.2 Revision Date 06.11.2025

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

1.1. Product identifier

Product name	:	HYDRANAL™ NEXTGEN Coulomat A-FA
SDS-number	:	000000025539
Type of product	:	Mixture
Remarks	:	SDS according to Art. 31 of Regulation (EC) 1907/2006.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture	:	Laboratory chemicals
Uses advised against	:	none

1.3. Details of the supplier of the safety data sheet

Company	:	Honeywell Specialty Chemicals Seelze GmbH Wunstorfer Straße 40 30926 Seelze Germany	Solstice Advanced Materials US, Inc. 115 Tabor Road Morris Plains, NJ 07950-2546 USA
Telephone	:	(49) 5137-999 0	
For further information, please contact:	:	SafetyDataSheet@solstice.com	

1.4. Emergency telephone number

Emergency telephone number	:	+1-703-527-3887 (ChemTrec-Transport) +1 303-739-1378 (Medical)
	:	Poison Control Center: United Kingdom: (+44) 844 892 0111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Flammable liquids Category 2
H225 Highly flammable liquid and vapour.
Corrosive to metals Category 1
H290 May be corrosive to metals.
Acute toxicity Category 4 - Oral
H302 Harmful if swallowed.
Acute toxicity Category 4 - Inhalation
H332 Harmful if inhaled.
Acute toxicity Category 4 - Dermal
H312 Harmful in contact with skin.
Skin corrosion Category 1B
H314 Causes severe skin burns and eye damage.

2.2. Label elements

REGULATION (EC) No 1272/2008

Hazard pictograms :



Signal word : Danger

Hazard statements :	H225	Highly flammable liquid and vapour.
	H290	May be corrosive to metals.
	H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled.
	H314	Causes severe skin burns and eye damage.
Precautionary statements :	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
	P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302 + P352	IF ON SKIN: Wash with plenty of water.
	P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308 + P313	IF exposed or concerned: Get medical

advice/ attention.

Hazardous components which must be listed on the label : acetonitrile
methanesulphonic acid

2.3. Other hazards

None known. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical name	CAS-No. Index-No. EC-No.	Classification 1272/2008	Concentration	Remarks
acetonitrile	75-05-8 608-001-00-3 200-835-2	Flam. Liq. 2; H225 Acute Tox. 4; H332; Inhalation Acute Tox. 4; H312; Dermal Acute Tox. 4; H302; Oral Eye Irrit. 2; H319	>= 60 % - < 70 %	
methanesulphonic acid	75-75-2 607-145-00-4 200-898-6	Met. Corr. 1; H290 Skin Corr. 1B; H314 Acute Tox. 4; H302; Oral Acute Tox. 4; H312; Dermal STOT SE 3; H335 Eye Dam. 1; H318	>= 10 % - <= 20 %	
1-Ethylimidazole	7098-07-9 230-403-9	Acute Tox. 4; H302; Oral Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 10 % - < 20 %	
Confidential	CBI		>= 2 % - < 10 %	N.C.*

Stabilizer 1				
Confidential Stabilizer 2	CBI		>= 2 % - < 10 %	N.C.*

N.C.* - Non-hazardous substance - for information only

Remaining components of this product are non-hazardous and/or are present at concentrations below reportable limits.

Occupational Exposure Limit(s), if available, are listed in Section 8.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:
First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

Inhalation:
Move to fresh air. Keep patient warm and at rest. Call a physician immediately.

Skin contact:
Wash off immediately with plenty of water. If skin irritation persists, call a physician.

Eye contact:
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Protect unharmed eye.

Ingestion:
When swallowed, allow water to be drunk. Do NOT induce vomiting. Call a physician immediately.

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

No data available

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

Treat symptomatically.

See Section 11 for more detailed information on health effects and symptoms. :

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water spray
Foam
Carbon dioxide (CO2)
Dry powder

Extinguishing media which shall not be used for safety reasons:
High volume water jet

5.2. Special hazards arising from the substance or mixture

Fire may cause evolution of:
Carbon oxides
Nitrogen oxides (NOx)

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear personal protective equipment. Unprotected persons must be kept away. Evacuate personnel to safe areas. Remove all sources of ignition. Do not breathe vapours or spray mist.

6.2. Environmental precautions

Should not be released into the environment.

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

Pick for disposal in tightly closed containers

6.4. Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:
Exhaust ventilation at the object is necessary.

Advice on protection against fire and explosion:
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Vapours may form explosive mixtures with air.

Hygiene measures:
Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:
Keep only in the original container, tightly closed, in a well ventilated place. Store at room temperature. (Ambient temperature: > 0 < 35°C) Protect from atmospheric moisture and water. Keep away from direct sunlight.

7.3. Specific end use(s)

no additional data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Components	Basis / Value type	Value / Form of exposure	Exceeding Factor	Remarks
acetonitrile	EH40 WEL			Listed
acetonitrile	EU ELV TWA	70 mg/m3 40 ppm		Indicative
acetonitrile	EH40 WEL STEL	102 mg/m3 60 ppm	15 minutes	
acetonitrile	EH40 WEL TWA	68 mg/m3 40 ppm		
acetonitrile	EU ELV SKIN_DES			Can be absorbed through the skin.
acetonitrile	EU SCOELS			Included in the regulation but with no data values. See regulation for further details.

EH40 WEL - UK. EH40 Workplace Exposure Limits (WELs), as amended
-
EU ELV - EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended
TWA - Time weighted average
EH40 WEL - UK. EH40 Workplace Exposure Limits (WELs), as amended
STEL - Short term exposure limit
EU ELV - EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended
SKIN_DES - Skin designation:

DNEL/ PNEC-Values

Component	End-use/impact	Exposure duration	Value	Exposure routes	Remarks
acetonitrile	Workers / Acute local effects		102 mg/m3	Inhalation	

acetonitrile	Workers / Acute systemic effects		102 mg/m3	Inhalation	
acetonitrile	Workers / Long-term systemic effects		20,0mg/kg bw/d	Skin contact	
acetonitrile	Workers / Long-term systemic effects		70 mg/m3	Inhalation	
acetonitrile	Workers / Long-term local effects		70 mg/m3	Inhalation	
acetonitrile	Consumers / Acute systemic effects		22 mg/m3	Inhalation	
acetonitrile	Consumers / Acute systemic effects		0,6mg/kg bw/d	Ingestion	
acetonitrile	Consumers / Acute local effects		22 mg/m3	Inhalation	
acetonitrile	Consumers / Long-term local effects		4,8 mg/m3	Inhalation	
acetonitrile	Consumers / Long-term systemic effects		2,4 mg/m3	Inhalation	
acetonitrile	Consumers / Long-term systemic effects		0,4mg/kg bw/d	Ingestion	
acetonitrile	Consumers / Long-term systemic effects		1,2mg/kg bw/d	Skin contact	
methanesulphonic acid	Workers /		6,76 mg/m3	Inhalation	

	Long-term systemic effects				
methanesulphonic acid	Workers / Long-term local effects		0,7 mg/m3	Inhalation	
methanesulphonic acid	Workers / Long-term systemic effects		19,44mg/kg bw/d	Skin contact	
methanesulphonic acid	Consumers / Long-term systemic effects		1,44 mg/m3	Inhalation	
methanesulphonic acid	Consumers / Long-term local effects		0,42 mg/m3	Inhalation	
methanesulphonic acid	Consumers / Long-term systemic effects		8,33mg/kg bw/d	Skin contact	
methanesulphonic acid	Consumers / Long-term systemic effects		8,33mg/kg bw/d	Ingestion	

Component	Environmental compartment / Value	Remarks
acetonitrile	Fresh water: 10 mg/l	Assessment factor: 10
acetonitrile	Marine water: 1 mg/l	Assessment factor: 100
acetonitrile	Sewage treatment plant: 32 mg/l	Assessment factor: 10
acetonitrile	Fresh water sediment: 40,5 mg/kg dw	
acetonitrile	Marine sediment: 4,05 mg/kg dw	
acetonitrile	Soil: 2,23 mg/kg dw	

methanesulphonic acid	Fresh water: 0,012 mg/l	Assessment factor: 1000
methanesulphonic acid	Marine water: 0,001 mg/l	Assessment factor: 10000
methanesulphonic acid	Sewage treatment plant: 100 mg/l	Assessment factor: 10
methanesulphonic acid	Fresh water sediment: 0,044 mg/kg dw	
methanesulphonic acid	Marine sediment: 0,004 mg/kg dw	
methanesulphonic acid	Soil: 0,002 mg/kg dw	

8.2. Exposure controls

Occupational exposure controls

Avoid exposure - obtain special instructions before use.
The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.

Engineering measures
Use with local exhaust ventilation.

Personal protective equipment
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection:
Glove material: Viton®
Vitoject® 890
Gloves must be inspected prior to use.
Replace when worn.

Remarks:Supplementary note: The specifications are based on information and tests from similar substances by analogy.
Due to varying conditions (e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.
Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer reccomends to use the chemical protective glove in practice not longer than 50% of the recomended permeation time.
Manufacturer´s directions for use should be observed because of great diversity of types .
Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

Eye protection:
Safety goggles

Skin and body protection:
Wear suitable protective equipment.
Wear as appropriate:
Protective suit

Environmental exposure controls

Handle in accordance with local environmental regulations and good industrial practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(a) Physical state	:	liquid
(b) Colour	:	orange
(c) Odour	:	amine-like
(d) Melting point/freezing point	:	No data available
(e) Boiling point/boiling range	:	No data available
(f) Flammability	:	Highly flammable liquid and vapour.
(g) Lower and upper	:	Lower explosion limit

explosion limit		No data available
	:	Upper explosion limit No data available
(h) Flash point	:	12 - 13 °C Method: closed cup
(i) Auto-ignition temperature	:	No data available
(j) Decomposition temperature	:	No decomposition if used as directed.
(k) pH	:	5,5
(l) Viscosity, kinematic	:	No data available
(m) Solubility(ies)	:	Water solubility: soluble
(n) Partition coefficient: n-octanol/water	:	No data available
(o) Vapour pressure	:	97 hPa Acetonitrile
(p) Density and / or relative density	:	0,906 g/cm3
(q) Relative vapour density	:	No data available
(r) Particle characteristics	:	No data available

9.2 Other Information

Polymer characteristics	:	No data available
Corrosive to metals	:	Corrosive to metals
Evaporation rate	:	No data available

Viscosity, dynamic : No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions., Product is hygroscopic.

10.2. Chemical stability

No decomposition if used as directed.

10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Protect from atmospheric moisture and water.

10.5. Incompatible materials

Carbon dioxide (CO2)
Strong oxidizing agents

10.6. Hazardous decomposition products

Carbon oxides
nitrogen oxides

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity

Acute oral toxicity:
The product has not been tested. The information is derived from the properties of the individual components.

Acute dermal toxicity:

The product has not been tested. The information is derived from the properties of the individual components.

Acute inhalation toxicity:
The product has not been tested. The information is derived from the properties of the individual components.

Acute toxicity (other routes of administration):
No data available

(b) Skin corrosion/irritation:
The product has not been tested. The information is derived from the properties of the individual components.

(c) Serious eye damage/eye irritation:
The product has not been tested. The information is derived from the properties of the individual components.

(d) Respiratory or skin sensitisation:
No data available

(e) Germ cell mutagenicity:
Note: No data available

(f) Carcinogenicity:
Note: No data available

(g) Reproductive toxicity:
Remarks: No data available
Remarks: No data available
(h) STOT-single exposure:
Remarks: No data available

(i) STOT - repeated exposure:
Note: No data available
STOT - repeated exposure:
Remarks: No data available

(j) Aspiration hazard:
No data available

11.2. Information on other hazards

Endocrine disrupting properties
No data available

Other information:
No data available

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish:
No data available

Toxicity to aquatic plants:
No data available

Toxicity to Microorganisms:
No data available

Toxicity to aquatic invertebrates:
No data available

12.2. Persistence and degradability

Biodegradability:
No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Biochemical Oxygen Demand (BOD) : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product:
Dispose according to legal requirements.

Packaging:
Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

Further information:
Provisions relating to waste:
EC Directive 2006/12/EC; 2008/98/EEC
Regulation No. 1013/2006
For personal protection see section 8.

SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID:2924 IMDG:2924 IATA:2924

14.2 UN proper shipping name
ADR/RID:FLAMMABLE LIQUID, CORROSIVE, N.O.S.(ACETONITRILE, METHANESULPHONIC ACID)
IMDG:FLAMMABLE LIQUID, CORROSIVE, N.O.S.(ACETONITRILE,METHANESULPHONIC ACID)
IATA:Flammable liquid, corrosive, n.o.s.(Acetonitrile, Methanesulphonic acid)

14.3 Transport hazard class(es)
ADR/RID:3 (8) IMDG: 3 (8) IATA: 3 (8)

14.4 Packaging group
ADR/RID:II IMDG: II IATA: II

14.5 Environmental hazards
ADR/RID:no Marine pollutant: no

14.6 Special precautions for user

IMDG Code segregation group (SGG1) – ACIDS,

14.7 Maritime transport in bulk according to IMO instruments
No data available

SECTION 15: Regulatory information

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

Basis	Value	Remarks
Substances of very high concern (SVHC)		This product does not contain substances of very high concern according to Regulation (EC) No Article 57 above the respective regulatory 1907/2006 (REACH), concentration limit of ≥ 0.1 % (w/w).

Other inventory information

USA. List of Active Substances on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory, as amended
Not On TSCA Inventory

Australia. Inventory of Industrial Chemicals (AIIC), as amended
Not in compliance with the inventory

Canada. Domestic Substances List (DSL), as amended
Not in compliance with the inventory

Japan. Kashin-Hou Law List
Not in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)
Not in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)
Not in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)
Not in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand
Not in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI)
Not in compliance with the inventory

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Text of H-statements referred to under heading 3

acetonitrile	:	H225	Highly flammable liquid and vapour.
		H332	Harmful if inhaled.
		H312	Harmful in contact with skin.
		H302	Harmful if swallowed.
		H319	Causes serious eye irritation.
methanesulphonic acid	:	H290	May be corrosive to metals.
		H314	Causes severe skin burns and eye damage.
		H302	Harmful if swallowed.
		H312	Harmful in contact with skin.
		H335	May cause respiratory irritation.
		H318	Causes serious eye damage.
1-Ethylimidazole	:	H302	Harmful if swallowed.
		H315	Causes skin irritation.
		H318	Causes serious eye damage.

Further information

All directives and regulations refer to amended versions.

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Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

Abbreviations:
EC European Community
CAS Chemical Abstracts Service
DNEL Derived no effect level
PNEC Predicted no effect level
vPvB Very persistent and very biaccumulative substance
PBT Persistent, bioaccmulative und toxic substance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.
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