

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 30.04.2021

Rev. Index : 29.0

Revision: 12.11.2020

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: **hth™ RAPIDFLOC**Article number: 10100 hth  
UFI: 7X13-X0WJ-500Q-R2RS**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Sector of Use SU21 Consumer uses: Private households / general public / consumers

**Product category**

PC37 Water treatment chemicals

PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents

**Application of the substance / the mixture** Flocculant/ Flocculating agent**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

INNOVATIVE WATER CARE EUROPE

BP 219 - 37402 Amboise Cedex - FRANCE

phone : +33 (0)2 47 23 43 00

fax : +33 (0)2 47 23 12 21

eu.sds@sigurawater.com

**1.4 Emergency telephone number:**

Europe &gt;&gt;&gt; NCEC - Tel. +44 (0)1235 239 670

Africa &amp; Middle East &gt;&gt;&gt; NCEC - Tel. +44 (0)1235 239 671

N.AMERICA &gt;&gt;&gt; ACEAN (Arch Chemicals Emergency Action Network) - Tel. +1 423 780 2970}

CALL A LOCAL NATIONAL POISON CONTROL UNIT

FOR UK CONTACT NCEC Tel 01865 407 333

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Met. Corr.1 H290 May be corrosive to metals.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS05

**Signal word** Warning**Hazard statements**

H290 May be corrosive to metals.

H319 Causes serious eye irritation.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P234 Keep only in original packaging.

P280 Wear protective gloves / eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P390 Absorb spillage to prevent material damage.

(Contd. on page 2)

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**2.3 Other hazards**

(Contd. of page 1)

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Chemical characterisation: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 39290-78-3 EINECS: 254-400-7 Reg.nr.: 01-2119531540-51-XXXX	Basic aluminium polychlorosulphate	Met. Corr.1, H290; Eye Irrit. 2, H319	10-<25%
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**Additional information** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**After inhalation** Supply fresh air; consult doctor in case of complaints.

**After skin contact** Rinse with warm water.

**After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing** If symptoms persist consult doctor.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents**

Water spray

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**

Keep contaminated washing water and dispose of appropriately.

Dilute with plenty of water.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

(Contd. on page 3)

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(Contd. of page 2)

**Handling****DO NOT MIX WITH OTHER PRODUCTS**  
**DO NOT DILUTE BEFORE USE****Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Protect from frost.

Keep receptacle tightly sealed.

**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Additional information about design of technical facilities:** No further data; see item 7.**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.**Protection of hands:**

Rubber gloves



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Tightly sealed goggles.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Fluid

**Colour:**

Light yellow

**Odour:**

Characteristic

**Odour threshold:**

Not determined.

(Contd. on page 4)

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(Contd. of page 3)

<b>pH-value at 20 °C:</b>	2.5
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	-10 °C
<b>Initial boiling point and boiling range:</b>	>100 °C
<b>Flash point:</b>	Not applicable
<b>Flammability (solid, gaseous)</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa
<b>Density at 20 °C:</b>	1.16 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Fully miscible
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>Water:</b>	82.8 %
<b>Solids content:</b>	0.0 %
<b>9.2 Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity**
**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**
**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known

**SECTION 11: Toxicological information**
**11.1 Information on toxicological effects**
**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**
**CAS: 39290-78-3 Basic aluminium polychlorosulphate**

Oral	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 - 4 hrs	>5 mg/l (rat)

**Primary irritant effect:**
**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 5)

**Safety data sheet**  
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(Contd. of page 4)

**Additional toxicological information:**
**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**
**12.1 Toxicity**
**Aquatic toxicity:**
**CAS: 39290-78-3 Basic aluminium polychlorosulphate**

CE50 - 48 hrs | 98 mg/l (daphnia magna)

**12.2 Persistence and degradability** Anorganic product, is not eliminable from water by means of biological cleaning processes.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**
**General notes:**

Generally not hazardous for water.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**
**13.1 Waste treatment methods**
**Recommendation**

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:**
**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**
**14.1 UN-Number**

ADR, IMDG, IATA

UN3264

**14.2 UN proper shipping name**

ADR

IMDG, IATA

 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

**14.3 Transport hazard class(es)**

ADR


**Class  
Label**

 8 (C1) Corrosive substances.  
8

**IMDG, IATA**

**Class**

8 Corrosive substances.

(Contd. on page 6)

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(Contd. of page 5)

<b>Label</b>	8
<b>14.4 Packing group</b> ADR, IMDG, IATA	III
<b>14.5 Environmental hazards:</b> Marine pollutant:	No
<b>14.6 Special precautions for user</b> Hazard identification number (Kemler code):	Warning: Corrosive substances.
EMS Number:	80
Segregation groups	F-A,S-B
Stowage Category	Acids
Stowage Code	A
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	SW2 Clear of living quarters.
<b>Transport/Additional information:</b>	Not applicable.
<b>ADR</b> Limited quantities (LQ) Excepted quantities (EQ)	Not dangerous according to the above specifications.
<b>Transport category</b> Tunnel restriction code	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3 E
<b>IMDG</b> Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., 8, III

**SECTION 15: Regulatory information**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**Directive 2012/18/EU**

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H290 May be corrosive to metals.

H319 Causes serious eye irritation.

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

**\* Data compared to the previous version altered.**