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

1.1 Product identifiers

Product name : AquiGest
Product number : ATS05
Brand : Hidex
REACH NO. : A registration number is not available for this mixture. All the substances used within the mixture are either; Pre-REACH registered, fully REACH Registered, exempt from registration or the annual tonnage does not require registration.

Unique Formula Identifier Code: **YT10-3005-V00P-RCGE**

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

Sector of Use: For use in Scientific Research and Development ONLY. Not for consumer use.
Application of the substance / the mixture: Solubiliser for use in Liquid Scintillation Cocktail.

1.3 Details of the supplier of the safety data sheet

Supplier : Hidex Chemicals Oy
Address : Lemminkäisenkatu 62, FIN-20520, Turku, Finland
Telephone : +358 10 843 5570
Website : www.hidex.com
E-mail address : chemicals@hidex.com

1.4 Emergency telephone numbers

Call your local poison centre quoting the Unique Formula Identifier Code given in section 1.1.

Poison Centres

Country	Language	European Poison Centre	Phone	Website
Belgium	French	Centre Antipoisons	070 245 245 (free, 24/7)	https://www.centreantipoisons.be
	Dutch	Antigif centrum	070 245 245 (free, 24/7)	http://www.antigifcentrum.be
Finland	Finnish Swedish English	Helsinki University Hospital– Poison Information Centre	0800 147 111 (free, 24/7) 09 471 977 (charged)	https://www.hus.fi/en/potilaalle/sairaalat-ja-toimipisteet/myrkytystietokeskus
France	French English	Service national d'assistance reglementaire REACH	+ 33 (0) 1 45 42 59 59 (free, 24/7) This number takes you through to local poison centre numbers for the different regions	https://reach-info.ineris.fr/Numero_orfila
Germany	German English	Local Poison Centres:		
		Berlin	+49 (0) 30 19240	https://giftnotruf.charite.de
		Bonn	+49 (0) 228 19240	**http://www.gizbonn.de**
		Erfurt	+49 (0) 361 730730	https://www.ggiz-erfurt.de/home.html
		Freiburg	+49 (0) 761 19240	https://www.uniklinik-freiburg.de/giftberatung.html
		Gottingen	+49 (0) 551 19240	https://www.giz-nord.de/cms/index.php
		Homburg/Saer	+49 (0) 6841 19240	http://www.uniklinikum-saarland.de/de/einrichtungen/kliniken_institute/
		Mainz	+49 (0) 6131 19240	**http://www.giftinfo.uni-mainz.de**
		Munchen	+49 (0) 89 19240	http://www.toxinfo.med.tum.de

Cont…

Poison Centres – Call your local poison centre quoting the Unique Formula Identifier Code given in section 1.1.

Country	Language	European Poison Centre	Phone	Website
Hungary	Hungarian	Health toxicology information service	+36 80 201 199 (free 24/7 - only from Hungary) +36 1 476 6464 (24/7, can be called for a normal fee from abroad)	https://www.nnk.gov.hu/index.php/kemiai-biztonsagi-es-kompetens-hatosagi-fo/egeszsegugyi-toxikologiai-tajekoztato-szolgalat
Italy	Italian	Centro Antivelni firenze	+39 055 794 7819 (24/7)	Presentazione (antiveleni.altervista.org)
Ireland	English	Poisons information Centre of Ireland	+353 1 809 21 66 (8am-10pm / 7 days a week) +353 1 809 25 66 (24/7, healthcare profession only)	https://www.poisons.ie/
Lithuania	Lithuanian English	Poison Information Bureau part of The State Medicines Control Agency	+370 8-5 236 20 52 (free, 24/7)	http://www.apsinuodijau.lt/pirma-pagalba/
Netherlands	French English Dutch	National Poisons Information Center / University Medical Center Utrecht	+31 88 75 585 61	https://www.umcutrecht.nl/nl
Poland	Polish	National Poison Information Centres:		
		Krakow	+48 12 411 99 99	http://www.oit.cm.uj.edu.pl
		Gdansk	+48 58 682 04 04	http://www.pctox.pl/new/
		Poznań	+48 61 847 69 46	N/A
		Warszawa	+48 607 218 174	N/A
Romania	Romanian	National Institute for Public Health, Ministry of Health		
		CNMRMC	+40 213 183 606	N/A
		Spitalul Clinic de Urgenta Bucuresti	+40 215 992 300 int. 291	N/A
		Spitalul Clinic Judetean de Urgenta Targu Mures	+40 265.212.111	N/A
Slovakia	Slovak	National Toxicological Information Centre	+421 2 5477 4166	http://www.ntic.sk/ntic_en.php
Spain	Spanish	National Emergency Telephone Number of Spanish Poison Centre	+34 91 562 04 20	https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/portal-reach-clp/novedades/detalle_novedades.aspx?id=tcm:30-193752-16
Sweden	Swedish English	Swedish Poison Information Centre	**112 (24/7) Emergency** 010-456 6700 Less urgent	In English - Giftinformationscentralen
UK	English	National Poisons Information Service NHS	+44 (0) 344 892 0111 - Healthcare Professionals ONLY 111 – General public	https://www.npis.org/Industrynotify.html https://www.nhs.uk/nhs-services/

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Skin Corrosion Category 1A H314

For the full text of the H-Statements mentioned here - see section 16

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictogram

GHS05

Signal word **Danger**

Hazard statements

H314	Causes severe skin burns and eye damage.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

2.3 Other hazards

Results of PBT and vPvB assessment
This product does not contain any substances that are PBT/ vPvB.

Endocrine Disrupting Properties
This product does not contain any substances that have endocrine disrupting properties**.**

SECTION 3: Composition / Information on Ingredients

3.1 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with non-hazardous additions.

Hazardous components:

Sodium hydroxide					
CAS #: 1310-73-2 EC NUMBER: 215-185-5 REACH: 01-2119457892-27-XXXX	Skin Corrosion Category1A	H314	1-2%	ATE: M Factor: SCL:	N/A N/A Eye Irrit. 2; H319: 0,5 % ≤ C < 2 % Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % , pH>11.5
Alcohols, secondary C11-15, ethoxylated					
CAS #: 68131-40-8 EC NUMBER: 614-295-4 REACH: Polymer - exempt	Skin irritation Category 2 Eye damage Category 1	H315 H318	5-10%	ATE: M Factor: SCL:	N/A N/A N/A
Amines, coco alkyldimethyl, N-oxides					
CAS #: 61788-90-7 EC NUMBER:263-016-9 REACH: pre-registered	Skin irritation Category 2 Eye irritation Category 1 Aquatic Acute 1	H315 H318 H400	1-3%	ATE: M Factor: SCL:	N/A =1 N/A

For the full text of the H-Statements mentioned here - see section 16

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information: Consult a doctor. Show this safety data sheet to the doctor in attendance.
If inhaled: Move person into fresh air.
In case of contact with skin contact: Wash off with plenty of water.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor. Protect unharmed eye.
If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Call for a doctor immediately.

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

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

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents: Carbon Dioxide, dry powder or water spray.
Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture: Sodium oxides

5.3 Advice for fire-fighters

Special Protective equipment: Wear self-contained respiratory protective device and a fully protective suit.
Further Information: Cool closed containers exposed to fire with water spray.
Contaminated water must not be discharged into drains.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Keep unprotected persons away.
Special precautions: Highly corrosive formulation.

6.2 Environmental precautions: Inform respective authorities in case of seepage into water course.
Do not allow to enter surface or ground water.
Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Ensure adequate ventilation.
Pick up mechanically.
Dispose in according with local regulations (see section 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

Advice on safe handling: Wear personal protective equipment.
Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire and explosion protection: Keep away from sources of ignition.
Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Non-combustible liquid, corrosive.
Information about storage in one common storage facility: Non-combustible liquid, corrosive
Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s): Advised temperature of use: 20-60°C

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

Components with workplace control parameters:

Component	CAS number		Limit values			
			Eight hours		Short-term	
		Country	ppm	mg/m³	ppm	mg/m³
Sodium Hydroxide	1310-73-2	UK				2
		EU				
		France		2		
		Germany				
		Netherlands				
		Slovakia				
		Finland				2
		Poland		0.5		1
		Hungary		2		2
		Belgium		2		
		Spain		2		
		Romania		1		3
		Lithuania				

8.2 Exposure controls

General protective and hygienic measures: Handle in accordance with good industrial hygiene and safety practice.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Avoid inhalation of vapour or mist.
Do not eat, drink, smoke or sniff while working.

Personal Protective Equipment: Wear suitable gloves, body and eye protection and a face shield.

Respiratory protection:	No personal respiratory protective equipment normally required.
Skin protection:	Handle with protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Splash contact	Material: Nitrile-rubber. Minimum layer thickness: 0.4 mm. Break through time: 240 min. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Eye / face protection:	Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(Us) or EN 166(EU).
Body protection:	Protective work clothing – complete suit protecting against chemicals. The type of protective clothing must be selected according to the concentration and amount of the dangerous substance at the specified workplace.
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	>12
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	>100°C
Flash point:	Not applicable
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	Not determined
Self-igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard
Vapour pressure:	Not determined
Density at 20 °C:	1.02 g/cm^3
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water:	Fully miscible
Partition coefficient (n-octanol/water):	Not determined

Viscosity:
Dynamic: Not determined
Kinematic: Not determined

9.2 Other information No further relevant information available.

Information with regard to physical hazard class: No further relevant information available.

Other safety characteristic: No further relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No decomposition if used according to specifications.
eacts with strong acids.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Water, acids, Organic materials, Chlorinated solvents, Aluminium, Phosphorus, Tin/tin oxides, Zinc

10.6 Hazardous decomposition products: Carbon monoxide, carbon dioxide and oxides of nitrogen.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Component	CAS Number	Values
Sodium hydroxide	1310-73-2	LD50 dermal: 1,350mg/kg (rabbit)
Alcohols, C11-15 secondary, ethoxylated	68131-40-8	LC50 inhalation : 1.06mg/m^3/4 hour (rat) LD50 oral: 412mg/kg (rat)

Acute toxicity:
Skin corrosion / irritation: Causes severe skin burns and eye damage.
Serious eye damage / eye irritation: Causes serious eye damage.
Respiratory sensitisation: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific Target Organ Toxicity – Single Exposure: No data available.
Specific Target Organ Toxicity – Repeated Exposure: No data available.
Aspiration hazard: No data available.
Additional information: The toxicological properties of the mixture have not been fully investigated.

SECTION 12: Ecological Information

12.1 Toxicity

Aquatic toxicity:

Component	CAS NUMBER	LC50
Sodium hydroxide	1310-73-2	45.4mg/l/96 hour freshwater fish

12.2 Persistence and degradability: No further relevant information available.
12.3 Bio accumulative potential: No further relevant information available.
12.4 Mobility in soil: No further relevant information available.
12.5 Results of PBT and vPvB Assessment: This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects
Additional ecological information:
General notes: Cannot be disposed of into sewage system.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product: Waste product must be disposed of as hazardous waste.
Uncleaned Packaging: Disposal must be made according to official regulations. Uncleaned packaging may be classifiable as hazardous waste.

SECTION 14: Transport Information

14.1 UN-Number
ADR, IMDG, IATA 3266

14.2 UN proper shipping name -
ADR, IMDG, IATA CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (SODIUM HYDROXIDE)

14.3 Transport hazard class(es)
ADR, IMDG, IATA 8

14.4 Packing group -
ADR, IMDG, IATA II

14.5 Environmental hazards: No
Marine pollutant:

14.6 Special precautions for user
Danger code (Kemler) 80
EMS NUMBER: 8-15

14.7 Transport in bulk according to IMO instruments
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging 30ml
Maximum net quantity per inner packaging 1000ml
Transport category II
Tunnel restriction code D/E
UN MODEL REGULATION: UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (SODIUM HYDROXIDE), 8, II

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

Section 16: Other Information

Hazard statements

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

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.

Abbreviations and acronyms:

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)
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
NIOSH: National Institute of Occupational Safety and Health
LL50: Loading rate of test substance resulting in 50% mortality)
LD50: Lethal dose, 50 percent
LC50: Lethal Concentration, 50 percent