

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

1.1. Product identifier

Substance name : HYDROSIL HT 20 E
 Product form : Polymer solution.

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

1.2.1. Relevant identified uses

Main use category : Chemical industries.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

PCAS
 23, Rue Bossuet
 91160 LONGJUMEAU - FRANCE
 T 33 1 69 09 77 85 - F 33 1 64 48 23 19
pcas.fds@pcas.com

1.4. Emergency telephone number

Emergency number : ORFILA (INRS) 33 (0) 1 45 42 59 59 CARECHEM 44 (0) 3700 492 795

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour

Precautionary statements (CLP) :

P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking.
 P280 - Wear protective gloves, protective clothing, eye protection, face shield.
 P303+P361+P352 : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

2.3. Other hazards

Other hazards not contributing to the classification : Warning - substance not yet tested completely.

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : HYDROSIL HT 20 E
 Substance type : Polymer solution.

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Ethanol	(CAS No.)64-17-5 (EC no)200-578-6 (EC index no)603-002-00-5	40 - 50	F; R11

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according to Regulation (EC) No. 453/2010

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	(CAS No.)64-17-5 (EC no)200-578-6 (EC index no)603-002-00-5	40 - 50	Flam. Liq. 2, H225

Full text of R-, H- and EUH-phrases: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Take off immediately all contaminated clothing. Place the victim in the recovery position.
First-aid measures after inhalation	: Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Get medical advice/attention if you feel unwell.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth. Get medical advice/attention.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO2). Powder.
Unsuitable extinguishing media	: No water.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Under fire conditions, hazardous fumes will be present. carbon oxides (CO and CO2).
Explosion hazard	: Exposure to fire may cause containers to rupture/explode.
Reactivity	: Flammable liquid.

5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not breathe fumes from fires or vapours from decomposition.
Other information	: Do not dispose of fire-fighting water in the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Exclude sources of ignition and ventilate the area.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate area.

6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment. Wear suitable protective clothing, gloves and eye or face protection.

6.2. Environmental precautions

Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Contain the spilled material by bunding. Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite.
Methods for cleaning up	: Collect spills and put it into appropriated container. Wash away remainder with plenty of water.
Other information	: Use suitable disposal containers. Dispose of contaminated material at an authorized site.

6.4. Reference to other sections

See Heading 8.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Provide local exhaust or general room ventilation to minimize vapour concentrations.
- Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Avoid all unnecessary exposure. Do not breathe gas, fumes, vapour or spray.
- Hygiene measures : Take off immediately all contaminated clothing. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Use special care to avoid static electric charges. Ground well.
- Storage conditions : Keep in a cool, well-ventilated place away from moisture. Store in tightly closed containers. Keep away from food, drink and animal feeding stuffs.
- Heat-ignition : Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)		
France	VLE (mg/m ³)	9500 mg/m ³
France	VLE (ppm)	5000 ppm
France	VME (mg/m ³)	1900 mg/m ³
France	VME (ppm)	1000 ppm
Italy - Portugal- USA ACGIH	ACGIH TWA (mg/m ³)	1880 mg/m ³
Italy - Portugal- USA ACGIH	ACGIH TWA (ppm)	1000 ppm
Spain	VLA-ED (ppm)	1000 ppm

8.2. Exposure controls

- Hand protection : Wear suitable gloves resistant to chemical penetration. nitrile rubber gloves.
- Eye protection : Wear tight fitting safety glasses or facial screen. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
- Skin and body protection : Wear suitable protective clothing. In case of repeated or prolonged exposure : Fully enclosed impervious protective suit with integral or tight-fitting gloves, boots, self-contained or supplied air respirator must be worn. Emergency safety showers should be available in the immediate vicinity of any potential exposure.
- Respiratory protection : Provide good ventilation in process area to prevent formation of vapour. Where excessive vapour may result, wear approved mask. Gas mask with filter type A2B2.
- Other information : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 80 °C
Flash point	: 11 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0,91
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep off any ignition sources (e.g., heat, sparks, flam, impact, friction, electricity...).

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Silicon dioxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

HYDROSIL HT 20 E	
LD50 oral rat	> 2000 mg/kg (According to OECD method)
Skin corrosion/irritation	: Not classified May produce skin irritation.
Serious eye damage/irritation	: Not classified May cause eye irritation.
Respiratory or skin sensitisation	: Not classified May cause irritation to the respiratory tract and to other mucous membranes.
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Dispose of this material and its container at hazardous or special waste collection point. Do not empty into drains.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

UN-No. : 1987

14.2. UN proper shipping name

Proper Shipping Name : ALCOHOLS, N.O.S.
Transport document description : UN 1987 ALCOHOLS, N.O.S. (Ethanol), 3, III, (D/E)

14.3. Transport hazard class(es)

Class (UN) : 3
Hazard labels (UN) : 3



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Other information : No supplementary information available.

HYDROSIL HT 20 E

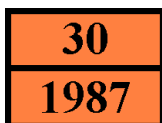
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14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 30
Classification code : F1
Orange plates :



Tunnel restriction code : D/E
Limited quantities (ADR) : LQ07
Excepted quantities (ADR) : E1
EAC code : •3Y

14.6.2. Transport by sea

EmS-No. (1) : F-E S-D

14.6.3. Air transport

Instruction "cargo" (ICAO) : 366
Instruction "passenger" (ICAO) : 355
Instruction "passenger" - Limited quantities (ICAO) : Y344

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

No REACH Annex XVII restrictions
Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases::

Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapour
R11	Highly flammable.
F	Highly flammable

SDS EU (REACH Annex II) - PCAS

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.