

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

1.1. Product identifier

Product form : Mixture of Polyacrylic acids
 Product name : CHEM PRINT DTX
 HS code : 3809 91 00
 Application of the substance/the preparation : Textile Auxiliary

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

1.2.1. Relevant identified uses

Main use category : Industrial use
 Function or use category : Textile Printing Process

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

Emergency number : +90 532 151 26 05

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS:

H 319 : Irritant for eyes

2.2. Label elements

Labelling according to the United Nations GHS: Extra

Hazard pictograms :



Signal word : Warning
 Hazard Statement(s) : H 319 Irritant for eyes
 Precautionary Statement(s) : P264 – Wash hands thoroughly after handling.
 P270 – Do not eat, drink or smoke when using this product.
 P301 + P330 + P331 + P313 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical nature :

3.2. Mixtures

Name	CAS no	%	Classification according to the United Nations GHS:
Polyacrylic Acid	9003-04-7	-	

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
 First-aid measures after skin contact : Wash skin with plenty of water.
 First-aid measures after eye contact : Rinse eyes with water as a precaution.
 First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.
Storage conditions : Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Do not freeze. Keep container closed when not in use. Keep container tightly closed. Keep cool. Protect from sunlight.
Incompatible products : Oxidizing agent.
Maximum storage period : 1 year
Storage temperature : 5 - 30 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available

8.2. Exposure controls**Appropriate engineering controls:**

Ensure good ventilation of the work station.

Materials for protective clothing:

Protective clothing

Condition	Material	Standard
		EN 14605

Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Butyl rubber, Polyvinylchloride (PVC)	6 (> 480 minutes)	0,4		EN 374

Eye protection:

Chemical goggles or safety glasses

Type	Use	Characteristics	Standard
			EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
	Type P2		EN 143



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous Liquid
Colour	: Transparent
Odour	: Characteristic
Odour threshold	: No data available
pH (100 g/l) at 20°C	: 5,0-6,0
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: No data available
Freezing point	: ~ 0°C
Boiling point	: >100°C
Flash point	: Not applicable
Auto-ignition temperature	: Product is not selfigniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density at 20 °C	: No data available
Solubility	: No data available
Viscosity Max.	: No data available
Viscosity	: No data available
Explosive properties	: Product is not explosive

Oxidising properties : Not applicable

9.2. Other information

No additional information available

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 normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

TUGAPRINT DC 250

LD50 oral rat	> 2000 mg/kg
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Skin corrosion/irritation : In case of longer, direct contact with the skin light irritations of the skin are possible.

Serious eye damage/irritation : In case of direct contact irritations are possible.

Respiratory or skin sensitisation : No sensitizing effect is known.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

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LC50 fish 1	> 100 mg/l
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EC50 Daphnia 1	> 100 mg/l
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12.2. Persistence and degradability

TUGAPRINT DC 250

Persistence and degradability	Readily biodegradable in water.
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Biodegradation	> 70 % (OECD 302B)
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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

Ozone : Not classified
Other adverse effects : No additional information available
Other information : The product does not contain heavy metals in waste water relevant concentrations.

SECTION 13: Disposal considerations

Product residues and contaminated empty containers should be packaged, sealed, labeled and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

14.1. UN number

No dangerous goods according to transport regulations.

14.2. Proper Shipping Name

Proper Shipping Name (UN RTDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)**UN RTDG**

Transport hazard class(es) (UN RTDG) : Non-hazardous good

IMDG

Transport hazard class(es) (IMDG) : Non-hazardous good

IATA

Transport hazard class(es) (IATA) : Non-hazardous good

14.4. Packing group

Packing group (UN RTDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user**- UN RTDG**

No data available

- IMDG

No data available

- IATA

No data available

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**

No additional information available. Observe the normal safety regulations when handling chemicals.

SECTION 16: Other information

Hazard statements:

H 302 : Harmful if swallowed

- Department issuing MSDS: Product safety department.
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ABBREVIATIONS

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 Organization

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 Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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