



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Procaine HCL Fluffy

Version	Revision Date:	SDS Number	Date of last issue: -
1.0	01.03.2023	300000016099	Date of first issue: 01.03.2023

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

1.1 Product identifier

Trade name : Procaine HCL Fluffy
Substance name : Procaine HCL Fluffy
CAS-No. : 51-05-8
EC-No. : 200-077-2

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

Use of the Substance/Mixture : Chemical substance

1.3 Details of the supplier of the safety data sheet

Company : CCEU Sp. z o.o.
ul. Ostatnia 45
PL 60-102 Poznan
Telephone : +48 888 666 474
E-mail address of person responsible for the SDS : reach@cristalchem.com

1.4 Emergency telephone number

Poisons Control Centre Krakow
Emergency telephone number : +48 12 411 99 99

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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
3.10	acute toxicity (oral)	3	Acute Tox. 3	H301
3.45	skin sensitisation	1	Skin Sens. 1	H317

For full text of abbreviations: see SECTION 16

The most important adverse physicochemical, human health and environmental effects.

Spillage and fire water can cause pollution of watercourses

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP)****Signal word** danger**Pictograms**
GHS06**Hazard statements****H301**

Toxic if swallowed.

H317

May cause an allergic skin reaction.

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Precautionary statements**P260**

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED:

Immediately call a POISON CENTER/doctor.

P330

Rinse mouth.

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P405

Store locked up.

2.3 Other hazards

There is no additional information.

Results of PBT and vPvB assessment.

According to the results of its assessment, this substance is not a PBT or a vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances****Substance name** : Procaine hydrochloride fluffy**Identifiers****CAS No.** : 51-05-8**EC-No.** : 200-077-2**Chemical nature** : organic**Molecular formula** : C₁₃H₂₀N₂O₂.CLH**Molecular mass** : 272,2 g/mol

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SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Self-protection of the first aider.
Remove affected person from the danger area and lay down.
Do not leave affected person unattended.
Take off immediately all contaminated clothing.
In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air.
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.
Let water be drunk in little sips (dilution effect).

Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Following eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Following ingestion

Immediately call a doctor.

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Do NOT induce vomiting.
Let water be drunken in little sips (dilution effect).

Notes for the doctor

None

4.2 Most important symptoms and effects, both acute and delayed

These information are not available.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : water, foam, alcohol resistant foam, fire extinguishing powder

Unsuitable extinguishing media : water jet.

5.2 Special hazards arising from the substance or mixture

Combustible.
Hazardous decomposition products: Section 10.
Deposited combustible dust has considerable explosion potential.

Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), hydrogen chloride (HCl)

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5.3 Advice for firefighters

Keep containers cool with water spray.
In case of fire and/or explosion do not breathe fumes.
Co-ordinate firefighting measures to the fire surroundings.
Do not allow firefighting water to enter drains or water courses.
Collect contaminated firefighting water separately.
Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

wear self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.
Ventilate affected area.
Do not breathe dust.
Control of dust.
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Do not get in eyes, on skin, or on clothing.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water.
Retain contaminated washing water and dispose of it.
If substance has entered a water course or sewer, inform the responsible authority.

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6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Take up mechanically.

Advice on how to clean up a spill

Take up mechanically.
Collect spillage.

Other information relating to spills and releases

Place in appropriate containers for disposal.
Ventilate affected area

6.4 Reference to other sections

Hazardous combustion products: see section 5.
Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.
Do not breathe dust.

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.

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Keep away from sources of ignition - No smoking.
Removal of dust deposits.

Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

Measures to protect the environment

Avoid release to the environment.

Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.
Wash hands after use.
Preventive skin protection (barrier creams/ointments) is recommended.
Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Explosive atmospheres

Removal of dust deposits

Flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take precautionary measures against static discharge.

Incompatible substances or mixtures

Incompatible materials: see section 10.

Protect against external exposure, such as

heat

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Consideration of other advice

Keep away from food, drink and animal feeding stuffs.

Ventilation requirements

Provision of sufficient ventilation.

Specific designs for storage rooms or vessels

Keep container tightly closed and in a well-ventilated place.

Keep cool.

Store locked up.

Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

Specific use(s) : see chapter 1.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Notation	Source
EU	hydrogen chloride	7647-01-0	IOELV	5	8	10	15	Proc	2000/39/EC
PL	Dusts not classified as toxic	-	NDS		10			i	Dz.U. - 2020
PL	hydrogen chloride	7647-01-0	NDS		5		10	Proc	Dz.U. - 2020

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8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection Wear eye/face protection. (EN 166).

Hand protection

Protective gloves		
Material	Material thickness	Breakthrough times of the glove material
NBR: acrylonitrile-butadiene rubber	≥ 0,6 mm	>60 minutes (permeation: level 3)
PVA: polyvinyl alcohol	≥ 0,6 mm	>60 minutes (permeation: level 3)
PVC: polyvinyl chloride	≥ 0,6 mm	>60 minutes (permeation: level 3)

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Other protection measures

Protective clothing for use against solid particulates.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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Particulate filter device (EN 143).
ABEK-P3.

Environmental exposure controls

Use appropriate container to avoid environmental contamination.
Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Solid
Form:	Powder
Colour:	These information are not available
Odour:	These information are not available
Odour threshold:	These information are not available

Other safety parameters

pH (value):	These information are not available
Melting point/freezing point:	These information are not available
Initial boiling point and boiling range:	These information are not available
Flash point:	Not applicable
Evaporation rate:	These information are not available
Flammability (solid, gas):	This material is combustible, but will not ignite readily
Explosion limits of dust clouds:	Not determined
Vapour pressure:	These information are not available
Density:	These information are not available
Vapour density:	These information are not available
Relative density:	These information are not available

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Solubility(ies)**Water solubility:**

These information are not available

Partition coefficient**n-octanol/water (log KOW):**

These information are not available

Auto-ignition temperature:

Not relevant (Solid matter)

Relative self-ignition temperature for solids:

These information are not available

Decomposition temperature:

These information are not available

Viscosity**Kinematic viscosity**

Not relevant (Solid matter)

Dynamic viscosity:

Not relevant (Solid matter)

Explosive properties:

Not explosive

Oxidising properties

Shall not be classified as oxidising

9.2 Other information

None

SECTION 10: Stability and reactivity**10.1 Reactivity**

This material is not reactive under normal ambient conditions..

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reaction

No known hazardous reactions.

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10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Control of dust.

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

If not otherwise specified the classification is based on:

Animal studies; Evidence from any other toxicity tests; Expert judgement (weight of evidence determination).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Toxic if swallowed

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Dermal. Inhalation.

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Exposure route	Endpoint	Value	Species
oral	Ld50	200 mg/kg	rat

Skin corrosion/irritation

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification

Serious eye damage/eye irritation

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Respiratory or skin sensitisation**Skin sensitisation**

May cause an allergic skin reaction.

Respiratory sensitisation

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Germ cell mutagenicity

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

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Carcinogenicity

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Reproductive toxicity

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Specific target organ toxicity - single exposure

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Specific target organ toxicity - repeated exposure

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity (acute)

No data available.

Aquatic toxicity (chronic)

No data available.

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12.2 Persistence and degradability

Biodegradation

No data available.

Persistence

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

According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Other adverse effects

Data are not available.

Remarks

Wassergefährdungsklasse, WGK (water hazard class): 3
Keep away from drains, surface and ground water.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

Completely emptied packages can be recycled.
Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions

SECTION 14: Transport information

<u>14.1 UN number</u>	2811
<u>14.2 UN proper shipping name</u>	TOXIC SOLID, ORGANIC, N.O.S.
Technical name	Procaine hydrochloride
<u>14.3 Transport hazard class(es)</u>	Class 6.1
<u>14.4 Packing group</u>	III
<u>14.5 Environmental hazards</u>	-
<u>14.6 Special precautions for user</u>	-

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14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).


UN number	2811
Proper shipping name	UN2811, TOXIC SOLID, ORGANIC, N.O.S., (procaine hydrochloride), 6.1, III, (E)
Class	6.1
Classification code	T2
Packing group	III
Danger label(s)	6.1
Special provisions (SP)	274, 614,  802(ADN)
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	2
Tunnel restriction code (TRC)	E
Hazard identification No	60
International Maritime Dangerous Goods Code (IMDG)	
UN number	2811

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Proper shipping name	UN2811, TOXIC SOLID, ORGANIC, N.O.S., (procaine hydrochloride), 6.1, III
Class	6.1
Marine pollutant	-
Packing group	III
Danger label(s)	6.1 
Special provisions (SP)	223, 274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
EmS	F-A, S-A
Stowage category	A
International Civil Aviation Organization (ICAO-IATA/DGR)	
UN number	2811
Proper shipping name	UN2811, Toxic solid, organic, n.o.s., (procaine hydrochloride), 6.1, III
Class	6.1
Packing group	III
Danger label(s)	6.1
Special provisions (SP)	A3, A5

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Excepted quantities (EQ)

E1

Limited quantities (LQ)

10 kg

SECTION 15: Regulatory information

15.1 Safety, health and Environmental regulations/legislation specific for the substance or Mixture

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Not listed.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

Not listed.

Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
H2		50 200	41

Notation

- 41) - category 2, all exposure routes
- category 3, inhalation exposure route

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

Not listed.

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Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

Water Framework Directive (WFD)

List of pollutants (WFD)				
Name of substance	Name acc. To inventory	CAS No	Listed in	Remarks
Procaine hydrochloride	Organohalogen compounds and substances which may form such compounds in the aquatic environment		A)	

Legend

A) Indicative list of the main pollutants

Regulation 98/2013/EU on the marketing and use of explosives precursors

Not listed.

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Not listed.

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

Not listed.

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National inventories

Country	Inventory	Status
AU	AICS	Substance is listed
CA	DSL	Substance is listed
CN	IECSC	Substance is listed
EU	ECSI	Substance is listed
EU	REACH Reg.	Substance is listed
KR	KECI	Substance is listed
MX	INSQ	Substance is listed
NZ	NZIoC	Substance is listed
PH	PICCS	Substance is listed
TW	TCSI	Substance is listed
US	TSCA	Substance is listed

Legend

AICS	Australian Inventory of Chemical Substances
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance by the supplier

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SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
8.1	-	Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)
8.2	Eye/face protection: Wear eye/face protection	Eye/face protection: Wear eye/face protection. (EN 166).
15.1	-	Restrictions according to REACH, Annex XVII: Not listed.

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2000/39/EC	Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
Dz.U. - 2020	Dziennik Ustaw: Rozporządzenie Ministra Pracy i Polityki Społecznej w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy (Dz.U.2020.61)

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Abbr.	Descriptions of used abbreviations
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
IOELV	Indicative occupational exposure limit value
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NDS	Workplace exposure limit
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
Ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

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Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. 2018 - ATP 13 2018/1480.

Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H301	Toxic if swallowed
H317	May cause an allergic skin reaction

Responsible for the safety data sheet

Company : CCEU Sp. z o.o.
ul. Ostatnia 45
PL 60-102 Poznan

Telephone : +48 888 666 474

E-mail address of person responsible for the SDS : reach@cristalchem.com

Disclaimer

This information is based upon the present state of our knowledge.
This SDS has been compiled and is solely intended for this product.

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