

SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.1
Prepared on : 06.11.2025
Revised on : -

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

1.1 Product identifiers

Product name HydraTrace Coulomet AG
Product Number PSR48215
Brand PureSynth research chemicals
CAS No. NA

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

Identified uses : HydraTrace

1.3 Details of the supplier of the safety data sheet

Company PureSynth Research Chemicals GmbH.
64683 Einhausen Marie-Curie-StraBe. 3, Germany

1.4 Emergency telephone number

Worldwide Helpline No.: 1800-8908-260

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H360D May damage the unborn child
H370 Causes damage to the central nervous system and the visual organs.
H373 May cause damage to organs through prolonged or repeated exposure.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Danger

Hazard statement(s)

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.

H314	Causes severe skin burns and eye damage.
H314	May damage the unborn child.
H370	Causes damage to the central nervous system and the visual organs.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use CO ₂ , powder or water spray to extinguish.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental Hazard Statements	none

2.3 Other hazards: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

SECTION 3: Composition / information on ingredients

3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
-	-	-
Component	Classification	Concentration
methanol	Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	50-100%
imidazole	Repr. 1B, H360D; Skin Corr. 1C, H314; Acute Tox. 4, H302	10-25%
2,2'-iminodiethanol	STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. , 4 H302; Skin Irrit. 2, H315; STOT SE 3, H335	≥3-<5%
Iodine	STOT RE 1. H372: 1 Acute Tox. 4. H302: Acute Tox. 4. H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	≥2.5-<5%

SECTION 4: First aid measures

Description of first aid measures

General advice	Immediately remove any clothing soiled by the product. Remove breathing equipment only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.
If inhaled	Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.
In case of skin contact	Immediately wash with water and soap and rinse thoroughly.
In case of eye contact	Rinse opened eye for several minutes under running water. Then consult a doctor.
If swallowed	Do not induce vomiting; call for medical help immediately. Drink plenty of water and provide fresh air. Call for a doctor immediately.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

SECTION 5: Fire fighting measures

Extinguishing media	CO ₂ , sand, extinguishing powder. Do not use water.
Suitable extinguishing media	
Unsuitable extinguishing media	Water with full jet
Special hazards arising from the substance or mixture	No data available
Advice for fire-fighters	No data available
Further information	No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.
Environmental precautions	Do not allow to enter sewers/ surface or ground water.
Methods and materials 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 section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents
Reference to other sections	For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling	Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols. Do not eat, drink or smoke during use. Wash hands after handling.
Conditions for safe storage, including any incompatibilities	Store in a cool location. Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles. See product label for storage

temperature.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls / Personal protection

Control parameters	Ingredients with workplace control parameters
Exposure controls	
Personal protective equipment:	
Eye / face protection	Tightly sealed goggles
Skin protection	Protective gloves
Respiratory protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Control of environmental exposure	Do not let product enter drains.

SECTION 9: Physical and chemical properties

Appearance	Form: Liquid Colour: Yellowish
Odour	Characteristic
pH - Value	5-6.5
Density	0.9 g/cm ³
Boiling Point	64.7 °C
Melting Point	No data available
Solubility in water	Not miscible
Flash point	10 °C
Vapour pressure	128 hPa
Auto -ignition temperature	370 °C
Vapour density	No data available
Flammability (solid, gas)	Highly flammable.
Evaporation rate	No data available
Partition coefficient: n- octanol / water	No data available
Viscosity	No data available
Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Upper / lower flammability or explosive limits	No data available
Oxidizing properties	No data available

Other safety information: No data available

SECTION 10: Stability and reactivity

Reactivity	No data available
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Condition to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	No data available

SECTION 11: Toxicological information

Acute toxicity	Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	May damage the unborn child.
Specific target organ toxicity - single exposure	Causes damage to the central nervous system and the visual organs.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	No data available
Additional Information	
Endocrine disrupting properties	
Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

SECTION 12: Ecological information

Toxicity	No data available
Persistence and degradability	No data available
Bio accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at Levels of 0.1% or higher.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	

SECTION 13: Disposal considerations

Waste treatment methods	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleansed containers like the product itself.
Products	
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR / RID	3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (METHANOL, imidazole)	3 (6.1, 8)	II	No
IMDG	3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (METHANOL, imidazole)	3 (6.1, 8)	II	No
IATA	3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S. (METHANOL, imidazole)	3 (6.1, 8)	II	No

SECTION 15: Regulatory information

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.

Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The user must be determined suitability of this information for his application.