

Page 1/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

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

- · 1.1 Product identifier
- · Trade name: HYROQUANT®UNISOLVENT OIL
- Article number: 0912
- · Registration number

A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

- · 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Application of the substance / the mixture Laboratory chemical for analysis.
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Biosolve Chimie

20 Rue Roger Husson, 57260 Dieuze, France Tel: +33 3 878 675 80/81/82/83/84/85 Email: info@biosolvechimie.com

Biosolve B.V.

Leenderweg 78, 5555 CE Valkenswaard, the Netherlands.

Tel: +31-(0)40-2071300 *Fax:* +31-(0)40-2048537

Email: info@biosolve-chemicals.com

- Further information obtainable from: Product safety department.
- · 1.4 Emergency telephone number:

Contact list of appointed bodies for information relating to emergency health response, according to Art. 45(1) Reg. (EC) No 1272/2008.

See below section 16 or at https://poisoncentres.echa.europa.eu/home.

Help desk: http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks).

Data from: ECHA - EUROPEAN CHEMICALS AGENCY

For more information see section 16.

SECTION 2: Hazards identification

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS06 skull and crossbones

Acute Tox. 2 H310 Fatal in contact with skin.

Acute Tox. 3 H331 Toxic if inhaled.

(Contd. on page 2)



Page 2/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 1)



GHS08 health hazard

Carc. 2 H351 Suspected of causing cancer.

Repr. 2 H361d Suspected of damaging the unborn child.

STOT SE 1 H370 Causes damage to organs.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms







GHS02

)2 GHS06

CHSUS

· Signal word Danger

· Hazard statements

H225 Highly flammable liquid and vapour.

H310 Fatal in contact with skin.

H331 Toxic if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H361d Suspected of damaging the unborn child.

H370 Causes damage to organs.

H372 Causes damage to organs through prolonged or repeated exposure.

· Precautionary statements

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

P310 Immediately call a POISON CENTER/doctor.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

(Contd. on page 3)



Page 3/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 2)

- · Additional information:
- Restricted to professional users.
- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:				
CAS: 95-47-6 EINECS: 202-422-2 Index number: 601-022-00-9	o-xylene Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	25-50%		
CAS: 67-66-3 EINECS: 200-663-8 Index number: 602-006-00-4 Reg.nr.: 01-2119486657-20-XXXX	chloroform ♠ Acute Tox. 3, H331; ♠ Carc. 2, H351; Repr. 2, H361d; STOT RE 1, H372; ♠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319, EUH301	25-50%		
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X Reg.nr.: 01-2119433307-44-XXXX	Methanol	10-25%		

[·] Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- · General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Remove breathing equipment only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: If symptoms persist consult doctor.

(Contd. on page 4)



Page 4/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 3)

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

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

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
 During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· 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

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.

(Contd. on page 5)



Page 5/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 4)

· Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 95-47-6 o-xylene

IOELV Short-term value: 442 mg/m³, 100 ppm

Long-term value: 221 mg/m³, 50 ppm

Skin

CAS: 67-66-3 chloroform

IOELV Long-term value: 10 mg/m³, 2 ppm

Skin

CAS: 67-56-1 Methanol

IOELV Long-term value: 260 mg/m³, 200 ppm

Skin

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· 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.

· Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several

(Contd. on page 6)



Page 6/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 5)

substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye/face protection



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

General Information

• Colour: According to product specification
• Odour: Characteristic

Odour: CharacteristicOdour threshold: No data available.

• Melting point/freezing point:

No data available.

· Boiling point or initial boiling point and boiling

range 57 °C

· Flammability Not applicable.

· Lower and upper explosion limit

· Lower: 1.7 Vol %
· Upper: 44 Vol %
· Flash point: < 23 °C
· Auto-ignition temperature: 455 °C

· Decomposition temperature: No data available

• pH at 20 °C 6.5

· Viscosity:

· **Dynamic:** Not determined.

Solubility

• water: Not miscible or difficult to mix.

· Partition coefficient n-octanol/water (log value) No data available

· Vapour pressure at 20 °C:

100 Value | No data dvandole

No data dvandole

210 hPa

· Density and/or relative density

Density at 20 °C:
 Relative density
 Vapour density
 No data available
 No data available

· 9.2 Other information

· Appearance:

· Form: Liquid

(Contd. on page 7)



Page 7/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 6)

· Important information on protection of health and

environment, and on safety.

Product is not selfigniting. · Ignition temperature:

· Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

· Solvent content:

· Organic solvents: 65.0 % 65.00 % · VOC (EC) · Solids content: 0.0%

· Change in condition

No data available · Evaporation rate

· Information with regard to physical hazard classes

Void · Explosives · Flammable gases Void · Aerosols Void · Oxidising gases Void · Gases under pressure Void

· Flammable liquids Highly flammable liquid and vapour.

· Flammable solids Void · Self-reactive substances and mixtures Void Void · Pyrophoric liquids Void · Pyrophoric solids Void · Self-heating substances and mixtures · Substances and mixtures, which emit flammable

gases in contact with water Void · Oxidising liquids Void · Oxidising solids Void · Organic peroxides Void · Corrosive to metals Void · Desensitised explosives Void

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.



Page 8/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 7)

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity

Fatal in contact with skin.

Toxic if inhaled.

Toxic ij innaiea.				
· LD/LC50 values relevant for classification:				
CAS: 95-47-6 o-xylene				
Dermal	LD50	1,100 mg/kg (ATE)		
Inhalative	LC50/4 h	11 mg/l (ATE)		
CAS: 67-66-3 chloroform				
Oral	LD50	908 mg/kg (rat)		
Dermal	LD50	75 mg/kg (rat)		
Inhalative	LC50/4 h	3 mg/l (ATE)		
CAS: 67-56-1 Methanol				
Oral	LD50	5,628 mg/kg (rat)		
Dermal	LD50	15,800 mg/kg (rabbit)		
Inhalative	LC50/4 h	3 mg/l (ATE)		

· Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation

Causes serious eye irritation.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging the unborn child.

STOT-single exposure

Causes damage to organs.

· STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure.

- · Aspiration hazard Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.

(Contd. on page 9)



Page 9/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 8)

- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue				
HP 3	Flammable			
HP 4	Irritant - skin irritation and eye damage			
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity			
HP 6	Acute Toxicity			
HP 7	Carcinogenic			
HP 10	Toxic for reproduction			

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information		
· 14.1 UN number or ID number · ADR, IMDG, IATA	UN1992	
· 14.2 UN proper shipping name		
$\cdot ADR$	UN1992 FLAMMABLE LIQUID, TOXIC, N.O.S.	
· IMDG, IATA	FLAMMABLE LIQUID, TOXIC, N.O.S.	
	(Contd. on page)	

Contd. on page 10



Page 10/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 9) · 14.3 Transport hazard class(es) $\cdot ADR$ · Class 3 (FT1) Flammable liquids. · Label *3*+*6*. *1* · IMDG 3 Flammable liquids. · Class 3/6.1 · Label \cdot IATA 3 Flammable liquids. · Class · Label 3 (6.1) · 14.4 Packing group · ADR, IMDG, IATA II· 14.5 Environmental hazards: · Marine pollutant: No14.6 Special precautions for user Warning: Flammable liquids. · Hazard identification number (Kemler code): 336 · EMS Number: F-E,S-D· 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: 1L· Limited quantities (LQ) · Excepted quantities (EQ) Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml · Transport category (Contd. on page 11)



Page 11/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 10)

· Tunnel restriction code

D/E

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

H2 ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 32, 69
- · Regulation (EU) No 649/2012

CAS: 67-66-3 chloroform

Annex I Part 1

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

SECTION 16: Other information

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.

· Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H351 Suspected of causing cancer.
- H361d Suspected of damaging the unborn child.
- H370 Causes damage to organs.
- H372 Causes damage to organs through prolonged or repeated exposure.

EUH301 For use in industrial installations only.

- · Date of previous version: 28.12.2021
- · Version number of previous version: 4
- · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

 ${\it IMDG: International\ Maritime\ Code\ for\ Dangerous\ Goods}$

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

(Contd. on page 12)



Page 12/14

Safety data sheet according to 1907/2006/EC, Article 31

Version number 5 (replaces version 4) Revision: 19.10.2022 Printing date 26.12.2023

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 11)

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 2: Acute toxicity - Category 2

Acute Tox. 4: Acute toxicity - Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Carc. 2: Carcinogenicity - Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

* * Data compared to the previous version altered.

(Contd. on page 13)



Page 13/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 12)

Annex: Exposure scenario

· Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

- · Conditions of use
- · Duration and frequency 5 workdays/week.
- · Physical parameters
- · Physical state Fluid
- · Concentration of the substance in the mixture The substance is main component.
- · Other operational conditions
- · Other operational conditions affecting environmental exposure No special measures required.
- Other operational conditions affecting worker exposure

Avoid contact with eyes.

Avoid contact with the skin.

Do not breathe gas/vapour/aerosol.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

- Other operational conditions affecting consumer exposure No special measures required.
- · Other operational conditions affecting consumer exposure during the use of the product Not applicable.
- · Risk management measures
- · Worker protection
- · Organisational protective measures No special measures required.
- · Technical protective measures

Provide explosion-proof electrical equipment.

Ensure that suitable extractors are available on processing machines

· Personal protective measures

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Pregnant women should strictly avoid inhalation or skin contact.

Tightly sealed goggles

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.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

· Measures for consumer protection Ensure adequate labelling.

(Contd. on page 14)



Page 14/14

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.12.2023 Version number 5 (replaces version 4) Revision: 19.10.2022

Trade name: HYROQUANT®UNISOLVENT OIL

(Contd. of page 13)

- · Environmental protection measures
- · Water

Generally, prior to the introduction of wastewater into wastewater treatment plants a neutralisation is required.

- · Disposal measures Ensure that waste is collected and contained.
- · Disposal procedures

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Waste type Partially emptied and uncleaned packaging
- · Exposure estimation
- · Consumer Not relevant for this Exposure Scenario.
- · Guidance for downstream users No further relevant information available.

EH