Safety data sheet
according to UK REACH

Printing date 16.05.2025 *Version number 10.0 (replaces version 9.0)* *Revision: 16.05.2025*

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

· ***1.1 Product identifier***

· ***Trade name:*** Aquagent® Solvent CM, solvent-component for volumetric Karl Fischer titration in oils and fats

· ***Article number:*** AQ0008
· ***Registration number***
A registration number is not available for this substance because the substance or its uses are exempted from registration, the annual tonnage does not require registration or the registration is planned for a later date.
· ***UFI:*** VCC0-Q0E3-C000-4QE0
· ***1.2 Relevant identified uses of the substance or mixture and uses advised against***
No further relevant information available.
· ***Application of the substance / the preparation:*** Laboratory reagent

· ***1.3 Details of the supplier of the safety data sheet***
· ***Manufacturer/Supplier:***
Scharlab, S.L.
C/Gato Pérez, 33. Pol.Ind. Mas d'en Cisa
08181 Sentmenat (Barcelona) SPAIN
Tel: (+34) 93 745 64 00 - FAX: (+34) 93 715 27 65
email: scharlab@scharlab.com
Internet Web Site: www.scharlab.com
· ***Regional representation:***
Scharlab, S.L.
C/Gato Pérez, 33. Pol.Ind. Mas d'en Cisa
08181 Sentmenat (Barcelona) SPAIN
Tel: (+34) 93 745 64 00 - FAX: (+34) 93 715 27 65
email: scharlab@scharlab.com
Internet Web Site: www.scharlab.com

· ***Further information obtainable from:*** Technical Department
· ***1.4 Emergency telephone number:***
Toxicological Information National Institute of Toxicology and Forensic Sciences: + 34 91 562 04 20. The information will be provided (24h/365 days)
Please contact the regional Scharlab distributor/dealer in your country
During normal opening times: Scharlab, S.L. (+34) 93 715 18 11

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. 3 H311 Toxic in contact with skin.
Acute Tox. 3 H331 Toxic if inhaled.


GHS08 health hazard

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Carc. 2	H351	Suspected of causing cancer.
Repr. 1A	H360D	May damage the unborn child.
STOT SE 1	H370	Causes damage to the central nervous system and the visual organs.
STOT RE 1	H372	Causes damage to the central nervous system, the kidneys, the liver and the respiratory system through prolonged or repeated exposure.

GHS05 corrosion

Skin Corr. 1C	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.

GHS07

Acute Tox. 4	H302	Harmful if swallowed.

· ***2.2 Label elements***
· ***Labelling according to Regulation (EC) No 1272/2008***
The product is classified and labelled according to the GB CLP regulation.
· ***Hazard pictograms***

GHS02 GHS05 GHS06 GHS08

· ***Signal word*** Danger

· ***Hazard-determining components of labelling:***
trichloromethane
methanol
imidazole
· ***Hazard statements***

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H311+H331	Toxic in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H351	Suspected of causing cancer.
H360D	May damage the unborn child.
H370	Causes damage to the central nervous system and the visual organs.
H372	Causes damage to the central nervous system, the kidneys, the liver and the respiratory system through prolonged or repeated exposure.

· ***Precautionary statements***

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
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.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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· ***Additional information:***
For use in industrial installations only.
· ***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:*** Solvent mixture with additives

· ***Dangerous components:***

CAS: 67-66-3 EINECS: 200-663-8 Reg.nr.: 01-2119486657-20-XXXX	trichloromethane 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	50-100%
CAS: 67-56-1 EINECS: 200-659-6 Reg.nr.: 01-2119433307-44-XXXX	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥ 10% STOT SE 2; H371: 3 % ≤ C < 10 %	10-25%
CAS: 288-32-4 EINECS: 206-019-2 Reg.nr.: 01-2119485825-24-XXXX	imidazole Repr. 1B, H360D; Skin Corr. 1C, H314; Acute Tox. 4, H302	≥2-<5%

· ***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:*** Do not induce vomiting; call for medical help immediately.
· ***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.

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SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:*** Use fire extinguishing methods suitable to surrounding conditions.
· ***5.2 Special hazards arising from the substance or mixture***
No further relevant information available.
· ***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***
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.
Do not flush with water or aqueous cleansing agents
· ***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.
Do not eat, drink or smoke during use.
Wash hands after handling.
· ***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.
· ***Further information about storage conditions:***
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
See product label for storage temperature.
· ***7.3 Specific end use(s)*** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***
· ***Ingredients with limit values that require monitoring at the workplace:***

67-66-3 trichloromethane
WEL Long-term value: 9.9 mg/m³, 2 ppm
Sk

67-56-1 methanol
WEL Short-term value: 333 mg/m³, 250 ppm
Long-term value: 266 mg/m³, 200 ppm
Sk

· ***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 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***
Safety glasses


Tightly sealed goggles

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SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***	
· ***General Information***	
· ***Physical state***	Liquid
· ***Colour:***	Pale
· ***Odour:***	Strong
· ***Odour threshold:***	Not determined.
· ***Melting point/freezing point:***	Undetermined.
· ***Boiling point or initial boiling point and boiling range***	62 °C (67-66-3 trichloromethane)
· ***Flammability***	Highly flammable.
· ***Lower and upper explosion limit***	
· ***Lower:***	5.5 Vol %
· ***Upper:***	44 Vol %
· ***Flash point:***	10 °C (67-56-1 methanol)
· ***Auto-ignition temperature:***	455 °C
· ***Decomposition temperature:***	Not determined.
· ***pH***	Not determined.
· ***Viscosity:***	
· ***Kinematic viscosity***	Not determined.
· ***Dynamic:***	Not determined.
· ***Solubility***	
· ***water:***	Not miscible or difficult to mix.
· ***Partition coefficient n-octanol/water (log value)***	Not determined.
· ***Vapour pressure at 20 °C:***	210 hPa
· ***Density and/or relative density***	
· ***Density at 20 °C:***	1.33 g/cm³
· ***Relative density***	Not determined.
· ***Vapour density***	Not determined.
· ***9.2 Other information***	
· ***Appearance:***	
· ***Form:***	Fluid
· ***Important information on protection of health and environment, and on safety.***	
· ***Ignition temperature:***	Product is not selfigniting.
· ***Explosive properties:***	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· ***Solvent content:***	
· ***Organic solvents:***	21.0 %
· ***Solids content:***	4.7 %
· ***Change in condition***	
· ***Evaporation rate***	Not determined.
· ***Information with regard to physical hazard classes***	
· ***Explosives***	Void
· ***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

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· ***Pyrophoric liquids***	Void
· ***Pyrophoric solids***	Void
· ***Self-heating substances and mixtures***	Void
· ***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.

SECTION 11: Toxicological information

· ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***
· ***Acute toxicity***
Harmful if swallowed.
Toxic in contact with skin or if inhaled.
· ***LD/LC50 values relevant for classification:***

67-66-3 trichloromethane

Oral	LD50	908 mg/kg (rat)
Dermal	LD50	3,890 mg/kg (rabbit)
Inhalative	LC50/4 h	9.2 mg/l (rat)

67-56-1 methanol

Oral	LD50	100 mg/kg (rat)
Dermal	LD50	300 mg/kg (rabbit)
Inhalative	LC50/4 h	3 mg/l (rat)

· ***Primary irritant effect:***
· ***Skin corrosion/irritation*** Causes severe skin burns and eye damage.
· ***Serious eye damage/irritation*** Causes serious eye damage.
· ***Carcinogenicity*** Suspected of causing cancer.
· ***Reproductive toxicity*** May damage the unborn child.
· ***STOT-single exposure*** Causes damage to the central nervous system and the visual organs.
· ***STOT-repeated exposure***
Causes damage to the central nervous system, the kidneys, the liver and the respiratory system through prolonged or repeated exposure.
· ***11.2 Information on other hazards***
· ***Endocrine disrupting properties***
None of the ingredients is listed.

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SECTION 12: Ecological information

· ***12.1 Toxicity***
· ***Aquatic toxicity:*** No further relevant information available.
· ***12.2 Persistence and degradability*** No further relevant information available.
· ***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***
The product does not contain substances with endocrine disrupting properties.
· ***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.
The waste code indicated in this document is indicative according to the properties of each substance, but does not always apply.
It is recommended to consult the local/national waste manager for more details on the waste and waste management regulations, which differ according to the legislation of each country.

· ***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***
· ***ADR*** 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL, CHLOROFORM)
· ***IMDG, IATA*** FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL, CHLOROFORM)
· ***14.3 Transport hazard class(es)***
· ***ADR***

· ***Class*** 3 Flammable liquids.

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· **Label** 3+6.1

· **IMDG**

· **Class** 3 Flammable liquids.
· **Label** 3/6.1

· **IATA**

· **Class** 3 Flammable liquids.
· **Label** 3 (6.1)
· **14.4 Packing group**
· **ADR, IMDG, IATA** II
· **14.5 Environmental hazards:**
· **Marine pollutant:** No
· **14.6 Special precautions for user** Warning: Flammable liquids.
· **Hazard identification number (Kemler code):** 336
· **EMS Number:** F-E,S-D
· **Segregation groups** (SGG10) Liquid halogenated hydrocarbons
· **Stowage Category** B
· **Stowage Code** SW2 Clear of living quarters.
· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

· **ADR**
· **Limited quantities (LQ)** 1L
· **Transport category** 2
· **Tunnel restriction code** D/E
· **UN "Model Regulation":** UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL, CHLOROFORM), 3 (6.1), II

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Poisons Act**
· **Regulated explosives precursors**
None of the ingredients is listed.
· **Regulated poisons**
None of the ingredients is listed.
· **Reportable explosives precursors**
None of the ingredients is listed.
· **Reportable poisons**
None of the ingredients is listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** N/A

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· ***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
· ***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.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H351 Suspected of causing cancer.
H360D May damage the unborn child.
H361d Suspected of damaging the unborn child.
H370 Causes damage to organs.
H371 May cause damage to organs.
H372 Causes damage to organs through prolonged or repeated exposure.

· ***Department issuing SDS:*** Product Safety Department
· ***Contact:*** msds@scharlab.com
· ***Abbreviations and acronyms:***
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 Organisation
ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals
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)
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
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Carc. 2: Carcinogenicity – Category 2
Repr. 1A: Reproductive toxicity – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B
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