

Safety data sheet

Page 1/10

according to 1907/2006/EC, Article 31

Printing date 05.07.2021 Revision: 05.07.2021 Version number 12.02 (replaces version 12.01)

SECTION 1: undertaking	Identification of the substance/mixture and of the company/
· 1.1 Product ide	ntifier
· Trade name: trie	chloromethane
 Article number: CAS Number: 67-66-3 EC number: 200-663-8 Index number: 602-006-00-4 Application of the Chemical analytic Solvents Laboratory chemical 	the substance / the mixture ics
Manufacturer/S PANREAC QUIN C/Garraf 2 Polígono Pla de E-08211 Castella Further informa 1.4 Emergency Single telephone	MICA S.L.U. Tel. (+34) 937 489 400 Fax. (+34) 937 489 401 Ia Bruguera ar del Vallès (Barcelona) ation obtainable from: email: product.safety@panreac.com telephone number: e number for emergency calls: 112 (EU)
Tel.: (+34) 937 4	
	Hazards identification
	according to Regulation (EC) No 1272/2008
	B02 Harmful if swallowed.
	331 Toxic if inhaled.
	315 Causes skin irritation.
	Causes serious eye irritation.
	351 Suspected of causing cancer.
•	361d Suspected of damaging the unborn child.
STOT RE 1 H3	Causes damage to the central nervous system, the kidneys, the liver and the respiratory system through prolonged or repeated exposure.
· 2.2 Label eleme	ents

Labelling according to Regulation (EC) No 1272/2008

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

(Contd. on page 2)

· Hazard pictograms



· Signal word Danger

· Hazard statements

- H302 Harmful if swallowed.
- 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.
- H372 Causes damage to the central nervous system, the kidneys, the liver and the respiratory system through prolonged or repeated exposure.

· Precautionary statements

- P260Do not breathe dust/fume/gas/mist/vapours/spray.P280Wear protective gloves/protective clothing/eye protection/face protection/hearing
protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

· 2.3 Other hazards

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.1 Substances
- CAS No. Description
- 67-66-3 trichloromethane
- Identification number(s)
- EC number: 200-663-8
- · Index number: 602-006-00-4

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information:

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.

Involve doctor immediately.

· After inhalation:

If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Supply fresh air or oxygen; call for doctor.

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

After skin contact:

Call a doctor immediately. Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)

(Contd. of page 1)

Page 2/10

⁻ GB

Immediately remove any clothing soiled by the product. • After eye contact: Rinse opened eye for several minutes under running water. Call a doctor immediately. • After swallowing: Do not induce vomiting; call for medical help immediately. Risk of aspiration! Subsequently administer: activated charcoal (20 - 40 g in 10 % slurry)

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 If swallowed, gastric irrigation with added, activated carbon.

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.
- 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon monoxide and carbon dioxide Hydrogen chloride (HCI) Phosgene gas Non-combustible.

5.3 Advice for firefighters
 Protective equipment:

Mouth respiratory protective device.

Wear self-contained respiratory protective device.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Contain escaping vapours with water.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Avoid substance contact.

Do not inhale steams/aerosols.

- · 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 item 13.

Ensure adequate ventilation.

Clean up affected area.

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 respiratory protective device available.

(Contd. on page 4)

(Contd. of page 2)

Page 3/10

GB

(Contd. of page 3)

Printing date 05.07.2021 Revision: 05.07.2021 Version number 12.02 (replaces version 12.01)

Trade name: trichloromethane

The product is not flammable.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:
- Keep container tightly sealed.

Open receptacle only under localised extractor facilities.

Store receptacle in a well ventilated area.

Store under lock and key and with access restricted to technical experts or their assistants only.

- · Recommended storage temperature: Room Temperature
- · Storage class: 6.1 D
- · 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:

67-66-3 trichloromethane

WEL Long-term value: 9.9 mg/m³, 2 ppm Sk

DNELS		
Dermal	Long-term - systemic effects, worker	0.94 mg/kg
Inhalative	Acute - systemic effects, worker	333 mg/m3
	Long-term - systemic effects, worker	2.5 mg/m3
	Long-term - local effects, worker	2.5 mg/m3
	Long-term - systemic effects, general population	0.18 mg/m3
· PNECs		

Aquatic compartment - freshwater	0.146 mg/L
Aquatic compartment - marine water	0.015 mg/L
Aquatic compartment - water, intermittent releases	0.133 mg/L
Aquatic compartment - sediment in freshwater	0.45 mg/kg
Aquatic compartment - sediment in marine water	0.09 mg/kg
Terrestrial compartment - soil	0.56 mg/kg
Sewage treatment plant	0.048 mg/L

• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Appropriate engineering controls No further data; see item 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. Filter AX

(Contd. on page 5)

· Hand protection

MP2

Protective gloves

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

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.

· 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.

• For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton) Recommended thickness of the material: ≥ 0.7 mm

Value for the permeation: Level \geq 480 min

• As protection from splashes gloves made of the following materials are suitable: Butyl rubber, BR

Recommended thickness of the material: \geq 0.7 mm Value for the permeation: Level \geq 10 min

Eye/face protection



Tightly sealed goggles

· Body protection:

Use protective suit.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazourdous substances handled.

SECTION 9: Physical and chemi	cal properties	
• 9.1 Information on basic physical and o	chemical properties	
General Information		
Physical state	Fluid	
· Colour:	Colourless	
· Odour:	Sweetish	
· Odour threshold:	Not determined.	
 Melting point/freezing point: 	-64 °C	
Boiling point or initial boiling point and	l boiling	
range	62 °C	
· Flammability	Not applicable.	
Lower and upper explosion limit		
· Lower:	Not determined.	
· Upper:	Not determined.	
Flash point:	Not applicable.	
Auto-ignition temperature:	Not determined.	
Decomposition temperature:	Not determined.	
·pH	Not determined.	
· Viscosity:		
· Kinematic viscosity	Not determined.	
· Dynamic at 20 °C:	0.56 mPas	
		(Contd. on page 6)

(Contd. of page 4)

GB

Page 5/10

Revision: 05.07.2021 Version number 12.02 (replaces version 12.01)

Trade name: trichloromethane

	(Contd. of page
· Solubility	
· water at 20 °C:	8 g/l
· Partition coefficient n-octanol/water (log va	ilue) 1.97
· Vapour pressure at 20 °C:	211 hPa
Density and/or relative density	
Density at 20 °C:	1.47 g/cm ³
· Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of he	alth
and environment, and on safety.	
Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not determined.
classes Explosives	Void
Explosives	Void
Flammable gases	Void
Aerosols	Void
• Oxidising gases	Void
Gases under pressure	Void
· Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
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.
- 10.4 Conditions to avoid No in the interval of th

(Contd. on page 7)

010/000						
oxygen nitrogen ox	rides					
Amines						
ammonia						
magnesiun						
metal alloy		composition pro	oducts: In the	event of fire.	See chapter 5	
Additional						
heat-sensit						
light sensit	ive					
SECTIO	14: To	vicological i	oformation			
		xicological i			(EC) No 4272/	2008
Acute toxi		hazard classes	s as defined i	n Regulation	I (EC) NO 1272	2008
Harmful if s	swallowed					
Toxic if inh			(
		evant for classif	Value	Spaaige		
Compone Oral		Type 908 mg/kg (rat)	value	Species		
	LD50 LD50	3,980 mg/kg (rat)	bbit)			
		10,500 mg/l (rat	,			
Skin corro		• •	7			
Causes ski						
Serious ey Causes se						
200000 00		rritation				
After inha			nucous memt	oranes.		
	lation: Irrit	tant to skin and r			classification c	riteria are not met.
Respirato	lation: Îrrit ry or skin	tant to skin and r	ased on availa	able data, the		riteria are not met. not met.
Respirator Germ cell Carcinoge	lation: Írrii ry or skin mutageni nicity	tant to skin and r sensitisation B i city Based on a	ased on availa	able data, the		
Respirator Germ cell Carcinoge Suspected	lation: Irrit ry or skin mutageni nicity of causing	tant to skin and r sensitisation B icity Based on a g cancer.	ased on availa	able data, the		
Respirator Germ cell Carcinoge Suspected Reproduct	lation: Irrit ry or skin mutageni nicity of causing tive toxici	tant to skin and r sensitisation B icity Based on a g cancer. ity	ased on availa vailable data, ⁻	able data, the		
Respirator Germ cell Carcinoge Suspected Reproduct Suspected	lation: Irrit ry or skin mutageni nicity of causing tive toxici of damag	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl	ased on availa vailable data, ⁻ hild.	able data, the the classifica	tion criteria are ı	not met.
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing	lation: Irrit ry or skin mutageni enicity of causing tive toxici of damag gle expos	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av	ased on availa vailable data, ⁻ hild.	able data, the the classifica	tion criteria are ı	not met.
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo	lation: Irrit ry or skin mutageni of causing tive toxici of damag gle expose eated exp	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure	ased on availa vailable data, hild. ailable data, ti	able data, the the classifica he classificat	tion criteria are i on criteria are n	not met.
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes dat through pro	lation: Irrit ry or skin mutageni enicity of causing tive toxici of damag gle expose eated exp amage to blonged or	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos	ased on availa vailable data, hild. railable data, ti rous system, ure.	able data, the the classifica he classificat the kidneys,	tion criteria are i on criteria are n the liver and t	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration	ation: Irrit ry or skin mutageni of causing tive toxici of damag gle exposi ated exp amage to blonged or hazard B	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on availabl	ased on availa vailable data, hild. railable data, ti rous system, ure.	able data, the the classifica he classificat the kidneys,	tion criteria are i on criteria are n the liver and t	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr	lation: Irrit ry or skin mutageni enicity of causing tive toxici of damag gle expose ated exp amage to blonged or hazard B nation on	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards	ased on availa vailable data, hild. railable data, ti vous system, ure. le data, the cla	able data, the the classifica he classificat the kidneys assification cr	tion criteria are i on criteria are n the liver and t	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr	lation: Irrit ry or skin mutageni enicity of causing tive toxici of damag gle expose ated exp amage to blonged or hazard B nation on	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on availabl	ased on availa vailable data, hild. railable data, ti vous system, ure. le data, the cla	able data, the the classifica he classificat the kidneys assification cr	tion criteria are i on criteria are n the liver and t	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine	ation: Irrit ry or skin mutageni of causing tive toxici of damag gle expose ated exp amage to blonged or hazard B mation on disruptir	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards	ased on availa vailable data, hild. railable data, th rous system, ure. le data, the cla ubstance is no	able data, the the classifica he classificat the kidneys assification cr	tion criteria are i on criteria are n the liver and t	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTION 12.1 Toxic	lation: Irrit ry or skin mutageni enicity of causing tive toxici of damag gle exposi eated exp amage to blonged or hazard B mation on disruptir	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info	ased on availa vailable data, f hild. vailable data, th vous system, ure. le data, the cla ubstance is no rmation	able data, the the classificat he classificat the kidneys, assification cr ot listed.	tion criteria are i on criteria are n the liver and t	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTION 12.1 Toxic Aquatic to	lation: Irrit ry or skin mutageni of causing tive toxici of damag gle exposi eated exp amage to blonged or hazard B nation on disruptir	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on availab other hazards ng properties Su cological info	ased on availa vailable data, hild. railable data, th rous system, ure. le data, the cla ubstance is no rmation	able data, the the classificat he classificat the kidneys, assification cr ot listed.	tion criteria are n on criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTION 12.1 Toxic Aquatic to Type of te	lation: Irritry or skin mutageni of causing tive toxici of damag gle exposi eated exp amage to blonged or hazard B nation on disruptir N 12: Ec ity xicity: Ha	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info	ased on availa vailable data, hild. railable data, th rous system, ure. le data, the cla ubstance is no rmation	able data, the the classificat he classificat the kidneys, assification cr ot listed.	tion criteria are n on criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h	ation: Irritry or skin mutageni of causing tive toxici of damag gle exposi ated exp amage to blonged or hazard B mation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info	ased on availa vailable data, hild. vailable data, th vous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method	able data, the the classificat he classificat the kidneys, assification cr ot listed.	tion criteria are n on criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h	ation: Irritry or skin mutageni of causing tive toxici of damag gle exposi ated exp amage to blonged or hazard B mation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info	ased on availa vailable data, hild. vailable data, th vous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method	able data, the the classificat he classificat the kidneys, assification cr ot listed.	tion criteria are n on criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h	lation: Irrit ry or skin mutageni of causing tive toxici of damag gle exposi- eated exp amage to blonged or hazard B nation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/ 152.5 mg	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info	ased on availa vailable data, hild. railable data, the rous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method na)	able data, the the classificat he classificat the kidneys, assification cr ot listed.	tion criteria are n on criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h	ation: Irrit ry or skin mutageni of causing tive toxici of damag gle exposi eated exp amage to blonged or hazard B mation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/ 29 mg/l (tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerver repeated expos Based on available other hazards ng properties Su cological info armfull effect on a ive concentration I (Algae) g/I (daphnia magna)	ased on availa vailable data, hild. railable data, the rous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method na)	able data, the the classificat he classificat the kidneys, assification cr ot listed.	tion criteria are n on criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h EC50/48 h LC50/48 h	ation: Irrit ry or skin mutageni of causing tive toxici of damag gle expose ated exp amage to blonged or hazard B mation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/ 152.5 mg 29 mg/l (18 mg/l (tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info armfull effect on a ive concentration (Algae) g/l (daphnia magna) fish)	ased on availa vailable data, f hild. vailable data, th vous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method na)	able data, the the classificat he classificat the kidneys, assification cr ot listed. sms. Assessm	tion criteria are n on criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h EC50/48 h LC50/96 h 12.2 Persis 12.3 Bioac	ation: Irrit ry or skin mutageni of causing tive toxici of damag gle exposi- eated exp amage to blonged or hazard B nation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/ 152.5 mg 29 mg/l (stence an cumulativ	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info armfull effect on a ive concentration (Algae) g/I (daphnia magna) fish) id degradability ve potential	ased on availavailable data, i hild. railable data, the rous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method na) Not easily bio	able data, the the classificat he classificat the kidneys, assification cr ot listed. sms. Assessm	tion criteria are n the liver and t iteria are not me	not met. he respiratory syst et.
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h EC50/48 h LC50/96 h 12.2 Persis 12.3 Bioac Due to the	ation: Irrit ry or skin mutageni of causing tive toxici of damag gle exposi- eated exp amage to blonged or hazard B nation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/ 152.5 mg 29 mg/l (stence an cumulativ	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info armfull effect on a ive concentration (Algae) g/I (daphnia magna) fish) id degradability ve potential	ased on availavailable data, i hild. railable data, the rous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method na) Not easily bio	able data, the the classificat he classificat the kidneys, assification cr ot listed. sms. Assessm	tion criteria are n the liver and t iteria are not me	not met. not met. the respiratory syst
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h EC50/48 h LC50/96 h 12.2 Persis 12.3 Bioac Due to the expected.	ation: Irritry or skin mutageni of causing tive toxici of damag gle expose ated exp amage to blonged or hazard B nation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/ 152.5 mg 29 mg/l (18 mg/l (stence an cumulativ distributio	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info armfull effect on a ive concentration (Algae) g/l (daphnia magna) fish) id degradability ve potential n coefficient n-oc	ased on availavailable data, i hild. 'ailable data, the 'ous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method na) Not easily bio ctanol/water a	able data, the the classificat he classificat the kidneys, assification cr ot listed. sms. Assessm odegradable worth-mentio	tion criteria are n the liver and t iteria are not me	not met. he respiratory syst et.
Respirator Germ cell Carcinoge Suspected Reproduct Suspected STOT-sing STOT-repo Causes da through pro Aspiration 11.2 Inforr Endocrine SECTIOI 12.1 Toxic Aquatic to Type of te EC50/72 h EC50/48 h LC50/96 h 12.2 Persis 12.3 Bioac Due to the expected.	ation: Irritry or skin mutageni of causing tive toxici of damag gle expose ated exp amage to blonged or hazard B nation on disruptir N 12: Ec ity xicity: Ha st Effect 13.3 mg/ 152.5 mg 29 mg/l (18 mg/l (stence an cumulativ distributio	tant to skin and r sensitisation B icity Based on a g cancer. ity ing the unborn cl ure Based on av osure the central nerv repeated expos Based on available other hazards ng properties Su cological info armfull effect on a ive concentration (Algae) g/I (daphnia magna) fish) id degradability ve potential	ased on availavailable data, i hild. 'ailable data, the 'ous system, ure. le data, the cla ubstance is no rmation aquatic organi on Method na) Not easily bio ctanol/water a	able data, the the classificat he classificat the kidneys, assification cr ot listed. sms. Assessm odegradable worth-mentio	tion criteria are n the liver and t iteria are not me	not met. he respiratory syst et.

Printing date 05.07.2021 Revision: 05.07.2021 Version number 12.02 (replaces version 12.01)

Trade name: trichloromethane

· 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:

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 3 (German Regulation) (Assessment by list): 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

Chemicals must be disposed of in compliance with the respective national regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation:

Disposal must be made according to official regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information	
 14.1 UN number or ID number ADR, IMDG, IATA 	UN1888
 14.2 UN proper shipping name ADR, IMDG, IATA 	CHLOROFORM
 14.3 Transport hazard class(es) 	
ADR	
· Class	6.1 (T1) Toxic substances.
· Label	6.1
· IMDG, IATA	
· Class	6.1 Toxic substances.
[.] Label	6.1
· 14.4 Packing group · ADR, IMDG, IATA	111
· 14.5 Environmental hazards:	Not applicable.
 14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: 	Warning: Toxic substances. 60 F-A,S-A
	(Contd. on page 9

(Contd. of page 7)

GB

Version number 12.02 (replaces version 12.01)

Trade name: trichloromethane

	(Contd. of page
Segregation groups Stowage Category	Liquid halogenated hydrocarbons A
Stowage Code	SW2 Clear of living quarters.
14.7 Maritime transport in bulk accould like the second se	rding to Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (ÉQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 m
Transport category	2
Tunnel restriction code	Ē
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 m
UN "Model Regulation":	UN 1888 CHLOROFORM, 6.1, III

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 Substance is not listed.
- · Seveso category H2 ACUTE TOXIC
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- · National regulations:
- · Other regulations, limitations and prohibitive regulations
- Substances of very high concern (SVHC) according to REACH, Article 57 Substance is not listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has 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.

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 CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

(Contd. on page 10)

Printing date 05.07.2021 Revision: 05.07.2021 Version number 12.02 (replaces version 12.01)

Trade name: trichloromethane

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

* * Data compared to the previous version altered.

Annex: Exposure scenario

- Short title of the exposure scenario Formulation and packing/repacking of substances and mixtures
 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 Raw material.
- · 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.
- · Other operational conditions affecting consumer exposure Keep out of the reach of children.
- 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
- 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.

- Filter AX
- Protective gloves

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

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

- Measures for consumer protection
- Ensure adequate labelling.
- Keep locked up and out of the reach of children.
- Environmental protection measures
- · Water No special measures 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
- \cdot Consumer Not relevant for this Exposure Scenario.
- Guidance for downstream users No further relevant information available.

(Contd. of page 9)