

1. Identification of the substance/preparation and of the company/undertaking

Product name: MS Contact liquid, 20 ml

Identificatie van de onderneming: Schippers Europe BV
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2. Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EG) no. 1272/2008



GHS02 Flammable



GHS07

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Eye Irrit. 2 H319 Causes serious eye irritation.



R11: Highly flammable.

Information concerning particular hazards for human and environment:

The product has to be labelled according to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements**Labelling according to Regulation (EG) no. 1272/2008**

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

Hazards pictograms

GHS02



GHS07

Signal word:	Danger.
Hazards statements	H225 Highly flammable liquid and vapour. H319 Causes serious eye damage.
Precautionary statements:	P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking. P233 Keep container tightly closed. 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. P403 + P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container according the local/ regional/ national/ international regulations.

2.3 Other hazards

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Inapplicable

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components			
Ethanol	CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	50-100%	 F;R11  F R11 S 2-7-16  Flam. Liq. 2, H225
Propaan-2-ol	CAS: 67-63-0 EINECS: 200-661-7 Reg nr.: 01-2119457558-25	2,5-10%	 Xi R36;  F R11 R67 S 2-7-16-24/25-26  Flam. Liq. 2, H225;  Eye irrit. 2, H319; STOT SE 3, H336

Additional information:

For possible hazards please refer to section 16.

4. First aid measures

4.1 Description of first and measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water. Consult a physician.

After swallowing: If symptoms persist consult a doctor.

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.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

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

5.2 Special hazards arising form the substance or mixture:

No further relevant information available.

5.3 Advice for fire-fighters

Protective equipment: No special measures required.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear safety clothing. Keep personnel away from the product.

6.2 Environmental precautions: Dilute with plenty of water. 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).

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.

7. Handling and storage

7.1 Precautions for safe handling:

Work in open air/under local air extraction/with ventilation.

Information about fire- and explosion protection: Remove each possible lighting source (open fire, sparks, smoking,...)

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool place

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep containers closed. Store in cool and dry drums.

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

8. Exposure controls/Personal protection

Additional information about design of technical facilities: No further data; see item 7

8.1 Control parameters.

Ingredients with limit values that require monitoring at the workplace.		
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.		
64-17-5 ethanol		
BGW	TGG 8H (mg/m ³)	260 mg/m ³
	TGG 15 min (mg/m ³)	1900 mg/m ³
67-63-0 propaan-2-ol		
BGW	650 mg/m ₃	250 ppm

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Wash hands before breaks and at the end of work.

Respiratory protection: No personal respiratory protective equipment normally required. In case of insufficient ventilation, exceeding workplace limits to serious odor or release of aerosols, mists and smoke one of the environment-independent breathing mask or breathing mask with filter type A or accordingly combination filter (in the presence of aerosols, mists and smoke, for example A-P2 or use ABEK-P2) according to EN 141.

Protection of hands: Protective gloves

Material of gloves:

Full contact:

Glove material: butyl rubber

Glove thickness: 0,7 mm

Break through time: > 480 min

Splash contact:

Glove material: Nitrile

Glove thickness: 0,40 mm

Break through time: > 120 min

Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be taken into account.

Eye protection:

**Wear safety goggles.****Protective measures:**

Do not induce vapors or spray mist.

Hygiene measures:

Take off immediately all contaminated clothing.

Environmental exposure:

Do not flush into surface water or sanitary sewer system. Avoid penetrate into the soil. Do not allow material to contaminate ground water.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties.****General Information**

Appearance

Physical state at 20°C

Liquid, hygroscopic

Colour:

Colourless, clear liquid.

Odor:

Characteristic (Alcoholic)

Odor threshold:

Not determined

pH:

6 – 9 (depends on oxygen ingress)

Melting point:

Not determined

Distillation point:

78 oC

Flash point:

~ 22 oC

Density

0,855 g/m³

Flammability (solid, gas)

Not determined

Ignition temperature:

425 °C

Decomposition temperature

Not determined

Self ignition

Product is not self igniting

Danger of explosion

Product does not present an explosion hazard.

Explosion limits

Lower

3,5% vol %

Upper

15,0 vol %

Vapour pressure at 20°C

59 hPa

Relative density

Not determined

Vapour density

Not determined

Evaporation rate

Not determined

Solubility in/Miscibility with

Fully miscible

Water:

Not determined

Partition coefficient (n-octanol/water)

Not determined

Viscosity

Not determined

Dynamic

Not determined

Kinematic

Not determined

9.2 Other information No further relevant information available.**10. Stability and reactivity****10.1 Reactivity****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.

11. Toxicological information**11.1 Information on toxicological effects****Acute toxicity.****Primary irritant effect:**

On the skin: No irritating effect.

On the eye: No irritating effect.

Sensitization: No sensitizing effects known.

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 Bio accumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vBvB assessment

PBT: Not applicable.

zPzB: Not applicable.

Other adverse effects: No further relevant information available.

13. Disposal considerations**13.1 Waste treatment methods**

Recommendation: Garbage must not be disposed in the sink;

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended detergent: Water, if necessary together with cleansing agents.

14. Transport information

14.1 UN number**ADR, IMDG, IATA**

UN1987

14.2 UN proper shipping name**ADR**

1987, Alcohol, n.e.g. (Ethanol, IPA)

IMDG

Ethanol n.o.s.. (Ethanol, IPA)

IATA

Ethanol n.o.s. (Ethanol, IPA)

14.3 Transport hazard class(es)**ADR****Class**

3 (F1) Flammable liquids

Label

3

IMDG, IATA**Class**

3 Flammable liquids

Label

3

14.4 Packing group**ADR, IMDG, IATA**

II

14.5 environment hazards**Marine pollutant**

none

14.6 Special precautions for user

Warning: flammable liquids.

Kemler-number

33

EMS-number

F-E,S-D

Tunnel restriction code

D/E

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

15. Regulatory information**15.1 Specific safety, health and environment regulations and – legislation for the substance or the mixture.****National regulations:**

No further relevant information available.

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

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.

Statement of changes:

8.2	changed
14.6	changed
14.7	changed

Relevant phrases

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May causes drowsiness or dizziness.

R11 Highly flammable.

R36 Irritating to eyes

R67 Vapours may cause drowsiness and dizziness.

Abbreviations:

ADR: Accord européen sur le transport 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 Harmonized 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).