

Safety data sheet

Page: 1/11

BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

1. Identification

Product identifier

SR09120C 40% Acetic acid solution

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

Relevant identified uses: Raw material for coatings for industrial or professional use

Not recommended use: spray application

Details of the supplier of the safety data sheet

Company:

BASF Coatings GmbH
Postfach 6123
48136 Muenster
Deutschland

Telephone: +49/2501/143688

E-mail address: product-safety-coatings@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Skin Corr./Irrit. 1B

Eye Dam./Irrit. 1

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

Flam. Liq. 4

For the classifications not written out in full in this section the full text can be found in section 16.

Label elements

Globally Harmonized System, UN (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H227

Combustible liquid.

H314

Causes severe skin burns and eye damage.

Precautionary Statements (Prevention):

P280

Wear protective gloves, protective clothing and eye protection or face protection.

P264

Wash contaminated body parts thoroughly after handling.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260

Do not breathe dust or mist.

Precautionary Statements (Response):

P303 + P361 + P353

IF ON SKIN (or hair): Remove or 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 or physician.

P370 + P378

In case of fire: Use water spray for extinction.

P363

Wash contaminated clothing before reuse.

P301 + P330 + P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P304 + P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage):

P403 + P235

Store in a well-ventilated place. Keep cool.

P405

Store locked up.

Precautionary Statements (Disposal):

P501

Dispose of contents and container to hazardous or special waste collection point.

Other hazards

According to UN GHS criteria

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Chemical nature

Water

Hazardous ingredients (GHS)

According to UN GHS criteria

Acetic acid

Content (W/W): $\geq 30\%$ - $< 50\%$

CAS Number: 64-19-7

EC-Number: 200-580-7

INDEX-Number: 607-002-00-6

Flam. Liq. 3

Skin Corr./Irrit. 1A

Eye Dam./Irrit. 1

H226, H314

Specific concentration limit:

Skin Corr./Irrit. 2: 10% - $< 25\%$

Eye Dam./Irrit. 2: 10% - $< 25\%$

Skin Corr./Irrit. 1A: $\geq 90\%$

Skin Corr./Irrit. 1B: 25% - $< 90\%$

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Immediate medical attention required.

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Indication of any immediate medical attention and special treatment needed

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

carbon oxides

Hazardous decomposition products formed under fire conditions.

Advice for fire-fighters

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid breathing vapours. Ensure adequate ventilation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Keep away from sources of ignition.

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

Environmental precautions

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

7. Handling and Storage**Precautions for safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

Conditions for safe storage, including any incompatibilities

Segregate from bases. Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

Specific end use(s)

Please refer to the technical leaflet for further information.

8. Exposure Controls/Personal Protection**Control parameters**

Components with occupational exposure limits

64-19-7: Acetic acid

Exposure controls

Personal protective equipment

Respiratory protection:

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

full face mask with ABEK2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

Eye protection not required., Required when there is a risk of eye contact.

Body protection:

chemical-resistant apron and boots

General safety and hygiene measures

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Ensure adequate ventilation. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid	
Colour:	colourless	
Odour:	specific	
pH value:		
	not determined	
Melting point:	4,00 °C	
onset of boiling:	117 °C	
Flash point:	> 70 °C	
Flammability:	Combustible liquid.	
Lower explosion limit:	> 4,0 %(V)	
Ignition temperature:	427,00 °C	
Vapour pressure:	15,20 hPa	(calculated)
	(20 °C)	
		(calculated)
	(50 °C)	
	not determined	

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

Density:	1,050 g/cm ³ (20 °C)
Viscosity, kinematic:	(40 °C) not determined 6,0 mm ² /s (20 °C)
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

Other information

Burning rate:	The material doesn't meet the criteria specified in paragraph 33.2.4.4 of UN manual of tests and criteria.	(UN Test N.1 (ready combustible solids))
---------------	--	--

Self heating ability:	It is not a substance capable of spontaneous heating.
-----------------------	---

Miscibility with water:

miscible

Flow time:

< 30 s

(DIN EN ISO 2431; 3 mm)

10. Stability and Reactivity**Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Incompatible materials

Substances to avoid:

bases, Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous decomposition products

:

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information**Information on toxicological effects**

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

Acute toxicity

Assessment of acute toxicity:

Based on available data, the classification criteria are not met.

Irritation

Assessment of irritating effects:

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on available data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

Aspiration hazard

No aspiration hazard expected.

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

No data available concerning biodegradation and elimination.

Bioaccumulative potential

Bioaccumulation potential:

No data available.

Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: No data available.

13. Disposal Considerations

Waste treatment methods

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport

ADR

UN number or ID number: UN2790

UN proper shipping name: ACETIC ACID SOLUTION

Transport hazard class(es): 8

Packing group: III

Environmental hazards: no

Special precautions for user: Tunnel code: E

RID

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

UN number or ID number: UN2790
UN proper shipping name: ACETIC ACID SOLUTION

Transport hazard class(es): 8
Packing group: III
Environmental hazards: no
Special precautions for user:

Inland waterway transport

ADN

UN number or ID number: UN2790
UN proper shipping name: ACETIC ACID SOLUTION

Transport hazard class(es): 8
Packing group: III
Environmental hazards: no
Special precautions for user:

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

UN number or ID number: UN 2790
UN proper shipping name: ACETIC ACID SOLUTION

Transport hazard class(es): 8
Packing group: III
Environmental hazards: no
Marine pollutant: NO
Special precautions for user: EmS: F-A; S-B

Air transport

IATA/ICAO

UN number or ID number: UN 2790
UN proper shipping name: ACETIC ACID SOLUTION

Transport hazard class(es): 8
Packing group: III
Environmental hazards: No Mark as dangerous for the environment is needed
Special precautions for user:

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 18.01.2023

Version: 1.0

Product: **SR09120C 40% Acetic acid solution**

(ID no. 50343806/SDS_GEN_00/EN)

Date of print 12.07.2023

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

15. Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not applicable

16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Flam. Liq.	Flammable liquids
H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.