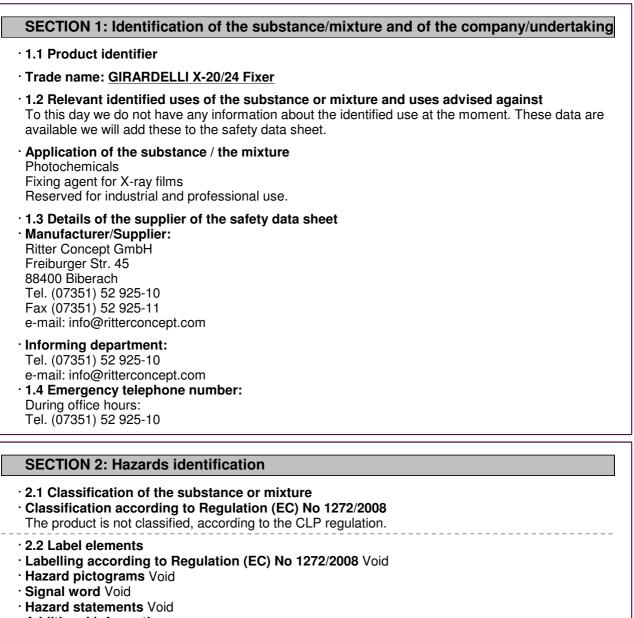
Safety data sheet according to 1907/2006/EC, Article 31

Printing date 09.04.2019

Version 7



- · Additional information:
- EUH210 Safety data sheet available on request.
- 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 the substances listed below with harmless additions.

· Dangerous components:

U			
CAS: 64-19-7	acetic acid	🚸 Flam. Liq. 3, H226	2-5%
EINECS: 200-580-7		🂑 Skin Corr. 1A, H314	
Index number: 607-002-00-6		Acute Tox. 4, H312	
Reg.nr.: 01-2119475328-30-xxxx		•	

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

(Contd. on page 2)

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

Printing date 09.04.2019

Version 7

Revision: 09.04.2019

Trade name: GIRARDELLI X-20/24 Fixer

(Contd. of page 1)

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · General information Instantly remove any clothing soiled by the product.
- · After inhalation Supply fresh air.

· After skin contact

Instantly wash with water and soap and rinse thoroughly. The product is not skin irritating.

• After eye contact Rinse opened eye for several minutes under running water (> 15 min). Then consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

- 4.2 Most important symptoms and effects, both acute and delayed No known symptoms to date.
- **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, extinguishing powder or water jet. Fight larger fires with water spray jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

· For safety reasons unsuitable extinguishing agents Water with a full water jet.

• 5.2 Special hazards arising from the substance or mixture Can be released in case of fire sulphur dioxide (SO2) Nitrogen oxides (NOx)

· 5.3 Advice for firefighters

· Protective equipment:

Do not inhale explosion gases or combustion gases. Put on breathing apparatus.

· Additional information The product is not flammable

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions: Do not allow to enter drainage system, 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 of contaminated material as waste according to item 13.

• 6.4 Reference to other sections See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling No special measures required.

• Information about protection against explosions and fires: No special measures required.

(Contd. on page 3)

GB

Printing date 09.04.2019

Version 7

Revision: 09.04.2019

(Contd. of page 2)

Trade name: GIRARDELLI X-20/24 Fixer

The product is not flammable

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and containers: No special requirements.

· Information about storage in one common storage facility:

Keep away from foodstuffs, beverages and food.

• Further information about storage conditions: Store in a cool place.

- \cdot Recommended storage temperature: $5\text{-}25\,^\circ\!\!\mathbb{C}$
- · Storage class

LGK 12

(German Technical Rule for Hazardous Substance - TRGS 510)

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

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see section 7.

· 8.1 Control parameters

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

64-19-7 acetic acid

WEL Short-term value: 50 mg/m³, 20 ppm

Long-term value: 25 mg/m³, 10 ppm

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

· 8.2 Exposure controls

- · Personal protective equipment
- · General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals.

· Breathing equipment: Not required.

· Protection of hands:

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

Synthetic gloves

Avoid natural rubber gloves.

Penetration time of glove material
 Value for permeation: Level > 6 (480 min)

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

• As protection from splashes gloves made of the following materials are suitable: Synthetic gloves

Value for permeation: Level:

≥ 3 (60 min)

· Eye protection: Safety glasses

(Contd. on page 4)

GB

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

Printing date 09.04.2019

Version 7

Revision: 09.04.2019

Trade name: GIRARDELLI X-20/24 Fixer

(Contd. of page 3)

SECTION 9: Physical and chemical properties				
 9.1 Information on basic physical and chemical properties General Information Appearance: 				
Form:	Fluid			
Colour:	Colourless			
· Odour:	Not characteristic			
· pH-value at 25 ℃:	5.3			
 Change in condition Melting point/freezing point: Initial boiling point and boiling ra 	< 5 ℃ ange: > 100 ℃			
· Flash point:	Not applicable			
· Self-inflammability:	Product is not selfigniting.			
· Explosive properties:	Product is not explosive.			
· Vapour pressure at 20 °C:	23 hPa			
· Density at 20 °C	1.36 g/cm ³			
 Solubility in / Miscibility with Water: 	miscible			
 Viscosity: dynamic: kinematic: 	Not determined Not determined			
 Solvent content: Organic solvents: Water: 	0 % ~ 50 %			
· 9.2 Other information	No further relevant information available.			

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** Reacts with strong acids and alkali

Reacts with acids releasing sulphur dioxide

- Reacts with alkalis releasing ammonia
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:
- Sulphur dioxide
- Ammonia

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:

• Skin corrosion/irritation Based on available data, the classification criteria are not met.

(Contd. on page 5)

Printing date 09.04.2019

Version 7

Revision: 09.04.2019

Trade name: GIRARDELLI X-20/24 Fixer

(Contd. of page 4)

- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
 Subacute to chronic toxicity: No known symptoms to date.
- · Additional toxicological information:
- This statement was deduced from the properties of the single components.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: Not determined
- · 12.2 Persistence and degradability Not determined
- 12.3 Bioaccumulative potential Not determined
- · Behaviour in environmental systems: Not determined
- 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects: Not determined
- · Behaviour in sewage processing plants: Not determined
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): Weakly water-endangering. The product does not contain organically bounded halogens (AOX-free).

At present there are no ecotoxicological assessments.

- This statement was deduced from the properties of the single components.
- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

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

Must be specially treated under adherence to official regulations.

· European waste catalogue

09 01 04* fixer solutions

· Uncleaned packagings:

· Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product. EAK-No. 15 01 10

(Contd. on page 6)

GB

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

Printing date 09.04.2019

Version 7

Revision: 09.04.2019

Trade name: GIRARDELLI X-20/24 Fixer

• Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information	1	
· 14.1 UN-Number · ADR/RID, ADN, IMDG, IATA	Void	
 · 14.2 UN proper shipping name · ADR/RID · ADN, IMDG, IATA 	Void Void	
· 14.3 Transport hazard class(es)		
· ADR/RID, ADN, IMDG, IATA · Class	Void	
 14.4 Packing group ADR/RID, IMDG, IATA 	Void	
· 14.5 Environmental hazards:	Not applicable.	
· 14.6 Special precautions for user	Not applicable.	
 • 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. 		
· Transport/Additional information:	Not dangerous according to the above specifications.	
· UN "Model Regulation":	Void	

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.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 65

· National regulations

l 0.9	Class	Share in %
	I	0.9
II 4.9	II	4.9

· Water hazard class: Water hazard class 1 (Self-assessment): weakly water-endangering.

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

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

· Recommended restriction of use No public product, only for commercial use

(Contd. on page 7)

(Contd. of page 5)

GB

Printing date 09.04.2019

Version 7

Revision: 09.04.2019

Trade name: GIRARDELLI X-20/24 Fixer

