

Safety Data Sheet  
acc. to OSHA HCS

Printing date 11/05/2022

Version: 2

Reviewed on 11/05/2022

### 1 Identification

- Product identifier
- Trade name: Kryolan GF-QAT 30 (strong)
- Article number: 02151, 02152, 02153
- Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- Application of the substance / the mixture Hair fixative
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Kryolan Australia  
86 Woodlands Drive  
Braeside VIC 3195  
Australia  
Ph: +61 3 9580 8122
- Information department:  
Section Productsafety  
info@kryolan.de
- Emergency telephone number:  
  
Ph: +61 3 9580 8122

### \* 2 Hazard(s) identification

- Classification of the substance or mixture  
The product is not classified, according to the Globally Harmonized System (GHS).

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- Label elements
- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Classification system:
- NFPA ratings (scale 0 - 4)  
Health = 0  
Fire = 1  
Reactivity = 0
- HMIS-ratings (scale 0 - 4)  
Health = 0  
Fire = 1  
Reactivity = 0
- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

### 3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components: Void

· Ungefährliche Inhaltsstoffe:

7732-18-5	water, distilled, conductivity or of similar purity	
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Trade name: Kryolan GF-QAT 30 (strong)

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9003-39-8	Polyvinylpyrrolidon	
53633-54-8	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, compound with diethyl sulfate	10-30%
122-99-6	2-Phenoxyethanol	
1117-86-8	octane-1,2-diol	

## 4 First-aid measures

- Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:  
Rinse with warm water.  
Wash off with water and soap.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing:  
Seek medical treatment in case of complaints.  
Purge mouth and drink plenty of water in small swallows. Do not force vomiting
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

## 5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment:  
Wear self-contained respiratory protective device.  
no special conditions required.

## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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.
- Protective Action Criteria for Chemicals

· PAC-1:

9003-39-8	Polyvinylpyrrolidon	51 mg/m <sup>3</sup>
122-99-6	2-Phenoxyethanol	1.5 ppm

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120-47-8	ethyl 4-hydroxybenzoate	31 mg/m <sup>3</sup>
· PAC-2:		
9003-39-8	Polyvinylpyrrolidon	560 mg/m <sup>3</sup>
122-99-6	2-Phenoxyethanol	16 ppm
120-47-8	ethyl 4-hydroxybenzoate	340 mg/m <sup>3</sup>
· PAC-3:		
9003-39-8	Polyvinylpyrrolidon	20,000 mg/m <sup>3</sup>
122-99-6	2-Phenoxyethanol	97 ppm
120-47-8	ethyl 4-hydroxybenzoate	2,100 mg/m <sup>3</sup>

## 7 Handling and storage

- Handling:
- Precautions for safe handling: No special measures required.
- Information about protection against explosions and fires: No special measures required.
- 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: Store away from foodstuffs.
- Further information about storage conditions: None.
- Specific end use(s): No further relevant information available.

## 8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
- Components 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.
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:  
The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
- Protection of hands:  
Not required.  
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.
- Material of gloves  
Not required.  
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.

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- 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 protection: Goggles recommended during refilling.

## 9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
 

Form:	Fluid
Color:	According to product specification
- Odor: Characteristic
- Odor threshold: Not determined.
- pH-value: Not determined.
- Change in condition
 

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
- Flash point: 104.6 °C (220.3 °F)
- Flammability (solid, gaseous): Not applicable.
- Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
 

Lower:	Not determined.
Upper:	Not determined.
- Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)
- Density: Not determined.
- Relative density: Not determined.
- Vapor density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with
 

Water:	Not miscible or difficult to mix.
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- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
 

Dynamic:	Not determined.
Kinematic:	Not determined.
- Solvent content:
 

Organic solvents:	1.0 %
Water:	64.7 %
VOC content:	0.95 %
	27.0 g/l / 0.23 lb/gal
- Solids content: 0.6 %

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· Other information

No further relevant information available.

## 10 Stability and reactivity

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

- LD/LC50 values that are relevant for classification:

53633-54-8 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, compound with diethyl sulfate

LC50/48 h 12.37 mg/l (Water flea)

EC50/96 h 5.11 mg/l (Algae)

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

9003-39-8 Polyvinylpyrrolidon

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- NTP (National Toxicology Program)

None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

## 12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.

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- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:  
Water hazard class 1 (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 vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

## 13 Disposal considerations

- Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

## 14 Transport information

- UN "Model Regulation": Void

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture  
No further relevant information available.
- Sara

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

122-99-6 2-Phenoxyethanol

- TSCA (Toxic Substances Control Act):

7732-18-5 water, distilled, conductivity or of similar purity

ACTIVE

9003-39-8 Polyvinylpyrrolidon

ACTIVE

122-99-6 2-Phenoxyethanol

ACTIVE

1117-86-8 octane-1,2-diol

ACTIVE

99-76-3 methyl 4-hydroxybenzoate

ACTIVE

120-47-8 ethyl 4-hydroxybenzoate

ACTIVE

94-13-3 propyl 4-hydroxybenzoate

ACTIVE

- Hazardous Air Pollutants

None of the ingredients is listed.

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

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- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Carcinogenic categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value)

None of the ingredients is listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- GHS label elements Void

- Hazard pictograms Void

- Signal word Void

- Hazard statements Void

- 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.

- Department issuing SDS: Section Product Safty

- Contact:

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Lars Köppling

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- Date of preparation / last revision 05/11/2022 / 1

- Abbreviations and acronyms:

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

- \* Data compared to the previous version altered.