

SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST

1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Commercial Name: PRESERVATIVE 221
INCI Name: DEHYDROACETIC ACID, BENZYL ALCOHOL, AQUA
CAS No: 520-45-6, 100-51-6, 7732-18-5
EINECS No: 208-293-9, 202-859-9, 231-791-2
REACH Reg No: 01-2120747930-51-XXXX (Dehydroacetic Acid)
01-2119492630-38-XXXX (Benzyl alcohol)
EU INDEX No: 607-163-00-2 (Dehydroacetic Acid), 603-057-00-5 (Benzyl alcohol)
Chemical Formula:
Synonyms:

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

Identified use (s): Preservative, Ecocert & Cosmos approved for manufacturing purposes.

1.3 Details of the supplier of the safety data sheet

Company Name: SOAPMAKERS STORE
Contact: JOHN BLACK
Address: Unit 3 Quatro Park, Tanners Drive, Milton Keynes MK14 5FJ ENGLAND
Telephone : ☎ + 44 (0) 1908 334108
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Email : ✉ sales@soapmakers-store.com
Emergency Tel. No.: ☎ + 44 (0) 1908 334108

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification according to Regulation (EC) No. 1272/2008 (CLP)
According to the current IFRA/ IOFI 2022 Labelling Manual and Regulation (EC) No. 1272/2008 (CLP)

Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement
Acute Toxic Oral	ATO	4	H302	Harmful if swallowed
Acute Toxic Inhalation	ATI	4	H332	Harmful if inhaled

2.2 Label elements

Symbols:



Signal word: WARNING

UN Global Harmonised System Precautionary Statements (CLP)

	Prevention Statements
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment



	Response Statements
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P321/363	Protective clothing should be washed before reuse
P331	Do NOT induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P353	Rinse skin with water/shower.
P305	IF IN EYES: Rinse cautiously with water for several minutes.
P351/338	Remove contact lenses if present and easy to do. Continue rinsing.
P337/313	If eye irritation persists: get medical advice/attention
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage

	Storage and Disposal Statements
P403	Store in a well ventilated place.
P235	Keep cool
P501	Dispose of contents and container in accordance with international regulation

3. COMPOSITION/INFORMATION ON CONSTITUENTS

3.1 Nature Of Product: PRESERVATIVE 221

Preservative 221 is a preservative blend featuring dehydroacetic acid and benzyl alcohol as the active ingredients.

3.2 Constituents

These indicative levels should be taken into account when determining the compliance of the ingredient under its condition of use. (In accordance with Regulation (EC) No 1272/2008 if applicable.

These indicative maximum levels should be taken into account when determining the compliance of the ingredient under its condition of use. (IFRA/IOFI Standards)

CONSTITUENT	CAS NUMBER	%	RELEVANT GHS
Benzyl alcohol	100-51-6	85.0 - 89.0	Acute Tox. 5 (Dermal);H313 Acute Tox. 4 (Oral);H302
Dehydroacetic Acid (DHA)	520-45-6	7.7 - 8.3	Acute Tox. 4 (Oral);H302
Aqua	7732-18-5	4.0	-

Allergen Constituents Information (7th Amendment Cosmetic Directive 76/768/EEC): see Fragrance Allergen Certificate.

Batch analysis may show levels different to those indicated above, where this is available, batch specific analyzed levels can then be used instead of the indicative levels.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion: Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.

Inhalation: Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.

Eye contact: Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.

Skin contact: Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguisher** Use CO₂, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.
- 5.2 Special hazards** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO₂ (carbon dioxide).

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Safety Precautions** Avoid contact with skin and eyes. Wear precautionary safety gloves and glasses. (Consult sections 7 & 8 for additional information)
- 6.2 Environmental Safety Precautions** Eliminate all sources of ignition.
Prevent any material entering drains or waterways
- 6.2 Methods and materials for containment and clean up** Absorb spills into an inert absorbent material (e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)
Wash area clean with water and detergent.
Transfer all waste to an approved waste disposal container, observing national legislation.

7. HANDLING AND STORAGE

- 7.1 Handling Precautions** Use in a well ventilated area. Prevent creation of dust cloud, use protective dust mask. Observe good housekeeping procedures when handling the product.
Do not eat, drink or smoke. Use Local Exhaust Ventilation (LEV) to minimise worker exposure. Use protective clothing when necessary.
- 7.2 Storage Precautions** Product is stable at room temperature.
Keep away from sources of ignition.
Store in tightly sealed containers, in a cool dry place away from direct sunlight.
Prevent access by unauthorised personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters **Ingredient comments:** No exposure limits known

8.1.1 DNEL/DMEL

Benzyl alcohol Consumers Oral Short-term exposure, Acute systemic effects 20 mg/kg
Consumers Oral Long-term systemic effects 4 mg/kg
Consumers Inhalation Short-term exposure, Systemic effects 27 mg/m³
Consumers Inhalation Long-term systemic effects 5,4 mg/m³
Workers Inhalation Short-term exposure, Systemic effects 110 mg/m³

Dehydroacetic Acid Workers Inhalation Long-term systemic effects 22 mg/m³
Workers Dermal Short-term exposure, Systemic effects 40 mg/kg
Workers Dermal Long-term systemic effects 8 mg/kg
Consumers Dermal Long-term systemic effects 5,7 mg/kg
Consumers Dermal Acute systemic effects 28,5 mg/kg

8.1.2 PNEC

Benzyl alcohol Soil - 0,456 mg/kg, Sewage treatment plant - 39 mg/l, Marine sediment - 0,527 mg/kg
Marine water - 0,1 mg/l, Fresh water sediment - 5,27 mg/kg, Fresh water - 1 mg/l
Intermittent use/release - 2,3 mg/l

Dehydroacetic Acid Fresh water - 0,0321 mg/l, Marine water - 0,00321 mg/l Sewage plant - 3,8 mg/l
Fresh water sediment - 0,14 mg/kg, Marine sediment - 0,014mg/kg, Soil - 0,010 mg/kg

8.2 Exposure controls

- Respiratory Protection:** Ensure adequate ventilation.
If ventilation is insufficient use approved respirators.
- Skin/Hand Protection:** Wear personal protective equipment. Use chemical resistant safety gloves.
Polyvinyl alcohol or nitrile rubber gloves are recommended.
- Eye/Face Protection:** Wear safety glasses/visors. Ensure eye washes are available.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Clear liquid
Colour:	Yellow to orange
Odour:	Mild aromatic odour
Odour threshold:	No information available
pH:	No information available
Melting point:	No information available
Initial boiling point and range:	No information available
Flash point:	> 96 °C
Evaporation rate:	No information available
Evaporation factor:	No information available
Flammability (solid, gas):	Not flammable
Upper flammability or explosive limits:	No information available
Lower flammability or explosive limits:	No information available
Other flammability:	No information available
Vapour pressure:	No information available
Vapour density:	No information available
Specific gravity @ 25°C:	No information available
Bulk density:	No information available
Solubility(ies):	Slightly in water
Partition coefficient:	No information available
Auto-ignition temperature:	No information available
Decomposition Temperature:	No information available
Viscosity:	No information available
Explosive properties:	No information available
Explosive under influence of a flame:	No information available
Oxidising properties:	No information available

10. STABILITY AND REACTIVITY

<u>10.1. Reactivity</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability</u>	Stable at normal ambient temperatures and when used as recommended.
<u>10.3. Possibility of hazardous reactions</u>	Will not polymerise.
<u>10.4. Conditions to avoid</u>	Keep away from any source of ignition, do not allow to freeze
<u>10.5. Incompatible materials</u>	Avoid strong oxidisers, acids and alkalis.
<u>10.6. Hazardous decomposition products</u>	Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity - Oral

LD50 (oral, rat): > 1230 mg/kg.

Acute toxicity - Dermal

LD50 (dermal, rabbit): > 2000 mg/kg.

Benzyl alcohol

Oral Rat LD50: 1610 mg/kg

Dermal Rabbit LD50: 2000 mg/kg

Inhalation Rat LC50/4 h: > 4178 mg/m3

Dehydracetic acid

Oral Rat LD50: 1480 mg/kg

This product is NOT intended for oral use.

LD50 dosage levels are only a guideline obtained from historical data, Soapmakers Store does not test its products on animals.

Skin corrosion/irritation:

May cause mild skin irritation.

Serious eye damage/irritation:

May cause mild eye irritation

Respiratory sensitisation:

Inhalation toxicity: > 200 mg/m3.

Skin sensitisation:

May cause sensitisation by inhalation and skin contact.

Germ cell mutagenicity:

No information available

Carcinogenicity:

No information available

11.2 Information on other hazards

Endocrine disrupting properties :

No information available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Benzyl alcohol:

Daphnia EC50/48h: 230.0000 mg/l

Algae IC50/72h: 770.000000 mg/l

Fish LC50/96h: 460.000000 mg/

NOEC / EC10 for marine or freshwater organisms 310.000000 mg/l

12.2 Persistence and degradability

Readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

1.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways.

Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures

Comply with local and national regulations for waste disposal. Empty containers should be washed thoroughly with detergent before being sent for disposal.

Washings should be disposed of as waste.

14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

UN Shipping Name (N.O.S.): NON HAZARDOUS SUBSTANCE, LIQUID
ADR/RID (Road/Rail): Not restricted
IMDG-CODE (Sea): Not listed
ICAO/IATA (Air): Not regulated
UN Number:
Packing Group:
Subsidiary Risk:
Packing Instructions: Non-hazardous substance, transport in suitable container..

Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:

UN Shipping Name: NON HAZARDOUS SUBSTANCE

15. REGULATORY INFORMATION

Product Classification: PRESERVATIVE 221

This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

Classification:



WARNING

ATO 4 Harmful if swallowed
ATI 4 Harmful if inhaled

Safety Precautions:

Do not eat, drink or smoke when using this product.
Wear protective gloves and wash hands thoroughly after handling.
Keep container tightly closed.
Avoid release to the environment.

16. ADDITIONAL INFORMATION

Legal disclaimer:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive.

Soapmakers Store is a Division of Aroma Trading Ltd, Registered No. 2698381, V.A.T. Registration No. 600 516 981 and as such, shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.