

Trade name: Daisy Paint

Version: 1 / IE

Date revised: 15.11.2023

Substance number: R-20700

Replaces Version: - / IE

Print date: 15.11.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Daisy Paint

Substance / product identification

PR-No. 20700, 20701, 20702, 20703, 20704, 20705, 20706, 20707, 20708, 20709,
20710, 20711, 20712, 20713, 20714, 20715

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

Use of the substance/preparation

Paint for marking animals

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Albert Kerbl GmbH

Felizenzell 9

84428 Buchbach

Telephone no. +49 8086 933-100

Fax no. +49 8086 933-500

Information provided by / telephone Albert Kerbl GmbH Tel.: 0049-(0)8086-933-302

E-mail address of

sdb-team@kerbl.com

person responsible

for this SDS

1.4. Emergency telephone number

Joint poison information center for the states of Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia c/o HELIOS Klinikum Erfurt Nordhäuser Strasse 74

Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17

E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

National Poisons Information Centre (NPIC): 01 809 2166

When it's less urgent than: 999

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

EUH208 Contains 2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol, May produce an allergic reaction.

2.3. Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 16-17%

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous ingredients**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

CAS No.	4719-04-4			
EINECS no.	225-208-0			
Concentration		<	0,1	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4		H302	
	Skin Sens. 1		H317	
	Aquatic Chronic 3		H412	

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1 H317 >= 0,1 %

Further ingredients**Propane-1,2-diol**

CAS No.	57-55-6			
EINECS no.	200-338-0			
Concentration		>=	1	<
Advice: [3]				10 %

Note

[3] Substance with occupational exposure limits

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink. In case of persistent symptoms consult doctor.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Foam, Carbon dioxide, Water spray jet, Water mist, ABC powder, BC powder

Non suitable extinguishing media

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Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible. In the event of fire the following can be released: dense black smoke; Carbon monoxide (CO); Carbon dioxide (CO₂); Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus.

Other information

Cool endangered containers with water spray jet. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Observe the usual precautions for handling chemicals. Avoid contact with skin, eyes and clothing. Follow legal protection and safety regulations. Personal protective equipment: see chapter 8. Do not eat, drink or smoke when using. When handling heated product, vapours must be vacuumed up.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed and dry.

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Other information

There are not known any further control parameters.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Propane-1,2-diol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	168	mg/m ³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	10	mg/m ³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	50	mg/m ³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	10	mg/m ³
Source	ECHA	

2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,2	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Single exposure	
Route of exposure	Eye contact	
Mode of action	Local effects	

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

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Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Gloves

Appropriate Material nitrile

Hand protection must comply with EN 374.

The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

Eye protection

Safety glasses; Eye protection must comply with EN 166.

Body protection

Protective work clothing

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

Physical state	liquid
Colour	According to product specification
Odour	mild
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined
Boiling point or initial boiling point and boiling range	
Remarks	not determined
Flammability	
not determined	
Upper and lower explosive limits	
Remarks	not determined
Flash point	
Remarks	Not applicable
Ignition temperature	
Remarks	not determined
Decomposition temperature	
Remarks	not determined
pH value	
Value	7,0 to 9,5
Viscosity	
Remarks	not determined
Solubility(ies)	
Remarks	not determined
Partition coefficient n-octanol/water (log value)	
Remarks	not determined
Vapour pressure	
Remarks	not determined
Density and/or relative density	

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Remarks not determined

Relative vapour density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Hazardous decomposition products should not be formed under normal storage and use conditions.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

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

Acute oral toxicity (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Species	rat				
LD50	580	to	928		mg/kg

Propane-1,2-diol

Species	rat				
LD50	22000				mg/kg
Source	ECHA				

Acute dermal toxicity

ATE	>	10.000			mg/kg
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Method calculated value (Regulation (EC) No. 1272/2008)

Acute dermal toxicity (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Species	rat		
LD50	>	4000	mg/kg

Propane-1,2-diol

Species	rabbit		
LD50		2000	mg/kg
Source	ECHA		

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Species	rat		
LC50		0,4	mg/l
Duration of exposure		4	h
Administration/Form	Gases		

Propane-1,2-diol

Species	rat		
LC50		44,9	mg/l
Duration of exposure		4	h
Source	ECHA		

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Serious eye damage/irritation (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Species	rabbit		
Duration of exposure		24	h
Observation Period		27	h
evaluation	slightly irritant		

Sensitization

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

Sensitization (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Remarks May cause an allergic skin reaction.

Subacute, subchronic, chronic toxicity

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

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

11.2 Information on other hazards

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Endocrine disrupting properties with respect to humans

No data available.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information**12.1. Toxicity****General information**

not determined

Fish toxicity (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Species	Zebrabaerbling		
LC50	16,07		mg/l
Duration of exposure	96	h	

Propane-1,2-diol

Species	Fish		
LC50	40,613		g/l
Duration of exposure	4	d	
Source	ECHA		

Daphnia toxicity (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Species	Daphnia magna		
EC100	17,5		mg/l
Duration of exposure	48	h	

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol**

Value	90	to	100	%
Duration of test	8	d		

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**Propane-1,2-diol**

log Pow	-1,07	to	-0,9
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12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment**General information**

not determined

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12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

No data available.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Dispose of waste according to applicable legislation.

The waste key number should be determined in consultation with the consumer, the manufacturer and the disposal company. Also observe local official regulations.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Label			
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	no	-

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

14.7 Maritime transport in bulk according to IMO instruments

not determined

SECTION 15: Regulatory information

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15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Skin Sens. 1	Skin sensitization, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.