



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

Printing date 12.02.2019

Version number 3

Revision: 10.04.2021

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

- **1.1 Product identifier**
- **Trade name:** CANDY INKS
- **Article number:** CTR
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Field: Industry
Employ: Professional
Usage: High concentrated dyestuff
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
STARDUSTCOLORS SAS
Za de Tesan - Plan Sud
30126 St Laurent des Arbres FRANCE
<https://www.stardustcolors.com/>
- **Further information obtainable from:** Technical office - info@stardustcolors.com
- **Interlocutor:** Technical office
- **1.4 Emergency telephone number:**
ORFILA: + (33) 01 45 42 59 59

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS02



GHS07

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- **Signal word** Warning
- **Hazard-determining components of labelling:**
1-methoxy-2-propanol
- **Hazard statements**
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **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:** Metal-complexed and organic dyes solution in organic solvents.

· **Dangerous components:**

CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-XXXX	1-methoxy-2-propanol ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	50-75%
CAS: 72275-69-5 EINECS: 276-558-6 Reg.nr.: 01-2120119369-52-XXXX	Sodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzene-1-sulphonamido(2-)]chromate(1-) ⚠ Aquatic Chronic 2, H411	10-20%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	≥5-<10%
EC number: 943-526-4 Reg.nr.: 01-2120119714-59-XXXX	disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate ⚠ Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≥5-<10%
CAS: 1589-47-5 EINECS: 216-455-5	2-methoxypropanol ⚠ Flam. Liq. 3, H226; ⚠ Repr. 1B, H360D; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	<0.3%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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

If doubtful or if symptoms of uneasiness persist, turn immediately to a doctor. Never give anything orally if the injured is unconscious.

After inhalation:

Remove the injured to fresh air. If unconscious, place patient in recovery position. Keep the injured covered while waiting for the doctor.

After skin contact:

Remove contaminated clothing. Wash the contaminated parts with copious amount of fresh or tepid water and neutral soap, or with another product suitable for skin cleansing. Do not use solvents.

After eye contact:

Remove contact lenses. Flush with copious amounts of fresh water for at least 15 minutes, keeping eyelids well opened, until the irritation stops. Immediate specialized medical care is required.

After swallowing:

If swallowed, immediately consult a doctor and show him the container or the label. Do not induce vomiting. Keep the injured at rest.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet**5.2 Special hazards arising from the substance or mixture**

Fire produces black and dense fumes. As a consequence of combustion, or thermal decomposition, hazardous products can develop: carbon monoxide, carbon dioxide, nitric oxide, isocyanate vapours, small amounts of hydrocyanic acid, halogenated compounds, chloridric acid. Exposure to combustion or decomposition products can affect health care.

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· 5.3 Advice for firefighters**· Protective equipment:**

Depending on the size of the fire, it can be necessary the use of: heat protective clothing, self-contained respirator, gloves, safety goggles, facial mask and boots.

· Additional information

Keep containers and cisterns near fire cool with water spray. Take into consideration wind direction. Avoid the flow of fire-fighting products into the drains or rivers.

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

Keep away every possible source of flame or ignition and aerate. Do not smoke. Avoid direct contact with the product. Do not breath vapours. For exposure controls and personal protection see section 8.

· 6.2 Environmental precautions:

Avoid contamination of drains, soil and superficial or subterranean waters.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Bunch the liquid released with non combusting absorbent materials (earth, sand, vermiculite, infusorial earth, etc.).

Do not flush with water or aqueous cleansing agents

Avoid the use of solvents. Place waste into closed containers and, for disposal, follow the advices of section 13.

· 6.4 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.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling**

General advices:

Avoid every kind of release or leak. Do not leave containers open. Use only in well ventilated work areas.

Apply every measure necessary to protect the environment (e.g. filters or scrubbers in the ventilation plant, devices for collection and disposal of releases, etc.); pay particular attention to wash water.



Do not eat nor drink on workplace.

· Handling: Apply local regulations and handle in accordance with good industrial hygiene and safety practice.

· Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.



Please check the electrical system conformity to the ATEX regulation.



Use antistatic shoes and wear suitable clothes.

Vapours are heavier than air and can travel along ground to remote ignition sources, they may form ignitable or explosive mixtures with air.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **General advices:**



Forbid access to unauthorized personnel.



Store in well ventilated area, far from heat sources, with electric plant in accordance with the law and in accordance with the quantity and kind of stored substances; protect from atmospheric discharges. Availability of suitable extinguishing media. To avoid accidental releases the opened containers must be tightly closed and put upright.

Maximum storage time: 9 Months

Temperature range: 5 - 40° C

Incompatible materials: keep away from oxidizing agents, highly alkaline materials and strong acids.

Packaging: preserve in stainless steel, polythene and polypropylene. For seals it is suggested the usage of PTFE, Viton® or EPDM. Make anyway a precautionary test for chemical compatibility.

· **Information about storage in one common storage facility:**

Separate the products stocked by class of danger in different storage rooms far from incompatible products.

· **Further information about storage conditions:** None.

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

SECTION 8: Exposure controls/personal protection

· **General advices:**

Ensure adequate ventilation: it must be granted a good local ventilation and a good general change of air. If these measures aren't enough in order to keep particles and vapours under the professional exposure limit, it is necessary the usage of suitable respiratory protection.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

107-98-2 1-methoxy-2-propanol

WEL	Short-term value: 560 mg/m ³ , 150 ppm
	Long-term value: 375 mg/m ³ , 100 ppm
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112-34-5 2-(2-butoxyethoxy)ethanol

WEL Short-term value: 101.2 mg/m³, 15 ppm
Long-term value: 67.5 mg/m³, 10 ppm

· DNELs

107-98-2 1-methoxy-2-propanol

Oral	DNEL_Systemic effects_Long Term_Oral_General Popul	33 mg/kg bw/day
Dermal	DNEL_Systemic Effects_Long Term_Dermal_Workers	183 mg/kg bw/day
	DNEL_Systemic Effects_Long Term_Dermal_General Pop	78 mg/kg bw/day
Inhalative	DNEL_Systemic Effects_Long Term_Inhalation_General	43.9 mg/m ³
	DNEL_Systemic Effects_Acute_Inhalation_Workers	369 mg/m ³
	DNEL_Local Effects_Acute_Inhalation_Workers	553.5 mg/m ³

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	DNEL_Systemic Effects_Long Term_Oral_General Popul	1.25 mg/kg
Dermal	DNEL_Systemic Effects_Long Term_Dermal_General Pop	10 mg/kg
	DNEL_Systemic Effects_Long Term_Dermal_Workers	20 mg/kg
Inhalative	DNEL_Systemic Effects_Long Term_Inhalation_General	34 mg/m ³
	DNEL_Local Effects_Acute_Inhalation_General Popula	50.6 mg/m ³
	DNEL_Local Effects_Long Term_Inhalation_General Po	34 mg/m ³
	DNEL_Systemic Effects_Long Term_Inhalation_Workers	67.5 mg/m ³
	DNEL_Local Effects_Acute_Inhalation_Workers	101.2 mg/m ³
	DNEL_Local Effects_Long Term_Inhalation_Workers	67.5 mg/m ³

· PNECs

107-98-2 1-methoxy-2-propanol

PNEC_Freshwater	10 mg/l
PNEC_Saltwater	1 mg/l
PNEC_Freshwater Sediment	52.3 mg/kg
PNEC_Saltwater Sediment	5.2 mg/kg
PNEC_Soil	4.59 mg/kg
PNEC_Purification Plant	100 mg/l

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	PNEC_Oral	56 mg/kg
	PNEC_Freshwater	1 mg/l
	PNEC_Saltwater	0.1 mg/l
	PNEC_Freshwater Sediment	4 mg/kg
	PNEC_Saltwater Sediment	0.4 mg/kg
	PNEC_STP	200 mg/l
	PNEC_Soil	0.4 mg/kg
	PNEC_Occasional Emission	3.9 mg/l

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures: Wash hands before breaks and at the end of work.

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- **Respiratory protection:**
Avoid inhalation of vapours / spray.



Respiratory protection (EN 149:2001- FFP2).

- **Protection of hands:**



Chemical resistant protective gloves (EN 374).

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

- **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:**



Tightly sealed goggles (EN 166).

- **Body protection:**

- **Light protective clothing** EN 340

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

· Form:	Liquid
· Colour:	Not determined.
· Odour:	Characteristic
· Odour threshold:	Not determined.

- **pH-value at 20 °C:** 7.0-10.0

- **Change in condition**

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	100-228 °C (Calcolato/Calculated)

- **Flash point:** 42 ± 5 °C (Gmehling&Ramussen-1982)

- **Flammability (solid, gas):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

· Lower:	Not determined.
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Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	0.98 Kg/l ± 2%
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not determined.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
VOC (EC) - (Tolerance ± 5%)	592.7 g/l
VOC% (CE) - (Tolerance ± 5%)	60.48 %
Dry content:	21 ± 3 % (Calcolato/Calculated)
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
No hazardous reactions when stored and handled properly
No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
See Section 7 for information on safe handling.
- **10.3 Possibility of hazardous reactions**
Can react with reducing agents, oxidising agents, concentrated acids and concentrated bases.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**107-98-2 1-methoxy-2-propanol**

Oral	LD50	4,016 mg/kg (ratto - rat)
	NOAEL (Developmental Toxicity)	1,500 ppm (ratto - rat) (1500)
Dermal	LD50	>2,000 mg/kg (ratto - rat)
Inhalative	NOAEL (Repeted dose toxicity)	1,000 ppm (coniglio - rabbit) (OECD 413)
	NOAEL (Teratogenicity)	300 ppm

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	LC0	>7,000 ppm (ratto - rat) (6h - OECD 403)
72275-69-5 Sodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzene-1-sulphonamidato(2-)]chromate(1-)		
Oral	LD50	>5,000 mg/kg bw/day (ratto - rat) (OECD 401) 14 giorni / 14 days Studio eseguito su sostanza simile nel 1975 / Study report on similar substance of 1975
112-34-5 2-(2-butoxyethoxy)ethanol		
Oral	LD50	2,410 mg/kg (ratto - rat)
Dermal	LD50	2,764 mg/kg (coniglio - rabbit)
	LC50	1,300 mg/l (lepomis macrochirus) (96 h)
disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate		
Oral	LD50	4,955 mg/kg (ratto - rat) (not indicated) Studio eseguito su sostanza simile del 1973 / Study report on similar substance of 1973

· **Primary irritant effect:**· **Skin corrosion/irritation**

72275-69-5 Sodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzene-1-sulphonamidato(2-)]chromate(1-)		
Irritation of skin	Skin irritation	(coniglio - rabbit) (US Fed. Haz. Substances Labelling Act Sect. 191.11) Risultato del Test: Nessun effetto negativo / Test result: No negative effect Studio eseguito su sostanza simile nel 1975 / Study report on similar substance of 1975
disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate		
Irritation of skin	Skin irritation	(coniglio - rabbit) (US - AFDO APPRAISAL) Risultato del Test: Nessun effetto negativo / Test result: No negative effect Studio eseguito su sostanza simile del 1973 / Study report on similar substance of 1973 Metodo di test in accordo con / Test method according to: Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics" (1959) of the US Association of Food and Drug Officials (AFDO)

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

· **Serious eye damage/irritation**

72275-69-5 Sodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzene-1-sulphonamidato(2-)]chromate(1-)		
Irritation of eyes	Eye irritation	(coniglio - rabbit) (US Fed. Haz. Substances Labelling Act Sect. 191.11) Risultato del Test: Nessun effetto negativo / Test result: No negative effect Studio eseguito su sostanza simile nel 1975 / Study report on similar substance of 1975

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disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate

Irritation of eyes	Eye irritation	(coniglio - rabbit) (US - AFDO APPRAISAL) Risultato del Test: Irritante / Test result: Irritant Studio eseguito su sostanza simile del 1973 / Study report on similar substance of 1973 Metodo di test in accordo con / Test method according to: Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics" (1959) of the US Association of Food and Drug Officials (AFDO)
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Causes serious eye irritation.

· Respiratory or skin sensitisation**72275-69-5 Sodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzene-1-sulphonamidato(2-)]chromate(1-)**

Dermal	Skin sensitisation	(Porcellino d'India - Cavia porcellus) (OCSE 406) Risultato del Test: Non sensibilizzante / Test result: Non sensitising Studio eseguito su sostanza simile nel 1994 / Study report on similar substance of 1994
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disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate

Dermal	Skin sensitisation	(coniglio - rabbit) (US - AFDO APPRAISAL) Risultato del Test: Nessun effetto negativo / Test result: No negative effect Studio eseguito su sostanza simile del 1973 / Study report on similar substance of 1973 Metodo di test in accordo con / Test method according to: Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics" (1959) of the US Association of Food and Drug Officials (AFDO)
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Based on available data, the classification criteria are not met.

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**· Germ cell mutagenicity****72275-69-5 Sodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzene-1-sulphonamidato(2-)]chromate(1-)**

Genetic toxicity in vitro - bacteria gene mutation	(Salmonella typhimurium) (OCSE 471) Risultato del test: Negativo / Test result: Negative Studio eseguito su sostanza simile nel 1994 / Study report of 1994 on similar substance
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disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate

Genetic toxicity in vitro - bacteria gene mutation	(Salmonella typhimurium) (OCSE 471) Risultato del test: Negativo / Test result: Negative Studio eseguito su sostanza simile del 1994 / Study report on similar substance of 1994
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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**

May cause drowsiness or dizziness.

· STOT-repeated exposure Based on available data, the classification criteria are not met.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:****107-98-2 1-methoxy-2-propanol**

IC10	>1,000 mg/l (fanghi attivi - activated sludge) (3h)
EC50	21,100-25,900 mg/l (daphnia) (48h)
	20,800 mg/l (pimephales promelas) (96 h)
	>1,000 mg/l (senastrum capricornutum) (7 giorni/days)

112-34-5 2-(2-butoxyethoxy)ethanol

EC50	>100 mg/l (daphnia) (48 h)
	>100 mg/l (senastrum capricornutum) (96 h)

disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate

EC50	48.9 mg/l (daphnia) (OCSE 202) Studio eseguito su sostanza simile nel 1995 / Study report of 1995 on similar substance
ErC50	50.3 mg/l (lemna minor) (OECD 221) 7giorni / 7 days Studio eseguito nel 2016 / Study report of 2016
EC50	6.3 mg/l (leuciscus idus) (not indicated) 48 ore / 48 hours Studio eseguito su sostanza simile nel 1974 / Study report of 1974 on similar substance

· **12.2 Persistence and degradability****72275-69-5 Sodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-4-hydroxybenzene-1-sulphonamido(2-)]chromate(1-)**

Biodegradability - Degree of degradability	0 % (Metodo interno A15 / Internal Method A15) 5 giorni / 5 days Risultato del Test: Non facilmente biodegradabile / Test result: Not readily biodegradable Studio eseguito su sostanza simile nel 1981 / Study report of 1981 on a similar substance
Biodegradability - COD reduction	675 mg/g O2 (Internal Method A-16) Risultato del Test: Non facilmente biodegradabile / Test result: Not readily biodegradable Studio eseguito su sostanza simile nel 1981 / Study report of 1981 on a similar substance

disodium 7-hydroxy-8-[[4-[1-[4-[(4-hydroxyphenyl)azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-1,3-disulfonate

Biodegradability - COD reduction	44.1 % (OECD 302B)
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· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.· **Ecotoxicological effects:**· **Remark:** Harmful to fish

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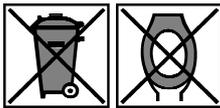
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- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms
- **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 together with household garbage. Do not allow product to reach sewage system.

- Wastes must be handled and disposed according to local and national regulations.
- **Waste disposal key:** CER 080111
 - **Uncleaned packaging:**
 - **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------------------|
| · 14.1 UN-Number | UN1263 |
| · ADR, IMDG, IATA | |
| · 14.2 UN proper shipping name | 1263 PAINT |
| · ADR | PAINT |
| · IMDG, IATA | |
| · 14.3 Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
|  | |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · 14.4 Packing group | III |
| · ADR, IMDG, IATA | |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Warning: Flammable liquids. |
| · Danger code (Kemler): | 30 |
| · EMS Number: | F-E, <u>S</u> -E |

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· Stowage Category	A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

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.
- **Seveso category P5c FLAMMABLE LIQUIDS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **Other regulations, limitations and prohibitive regulations**

Regulation (EC) 1907/2006 - Substances in Annex XVII

112-34-5 | 2-(2-butoxyethoxy)ethanol

Details

55. 2-(2-butoxyethoxy)ethanol (DEGBE) CAS No 112-34-5 EC No 203-961-6

1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.
2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.
3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows:
"Do not use in paint spraying equipment".

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- **International regulation:**
Regulation CLP - (CE) n. 1272/2008
Regulation REACH (CE) n. 1907/2006
Regulation 453/2010
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information enclosed in this safety data sheet are based on our actual knowledge and on the actual national and UE regulations; users working conditions are out of our awareness and control. The product is not meant to be used for different aims than the ones specified, without previously obtain written indication on proper handling. It is always in charge of users to apply actual regulation about health, safety and environmental care.

The information enclosed in this safety data sheet are to be meant as a description of the preparation's characteristics for safety aim: these information must not be meant as guarantee of the product properties.

· **Relevant phrases**

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H360D May damage the unborn child.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- 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)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Repr. 1B: Reproductive toxicity – Category 1B
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- *** Data compared to the previous version altered.**