

SHARPIE FINE BLACK INK - PR1009

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : SHARPIE FINE BLACK INK
Product code : PR1009.

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

Ink for Sharpie: Fine, Super Fine, Retractable (RT), Chisel, Super Twin, Laundry

1.3. Details of the supplier of the safety data sheet

Registered company name : Newell Rubbermaid UK Limited.
Address : Halifax Ave - Fradley Park .WS 13 8SS.Lichfield Staffordshire.United Kingdom.
Telephone : +44 (0) 1543447001. Fax : .
Aftersales.SERVICE@newellco.com
www.newellbrands.com

1.4. Emergency telephone number : 111.

Association/Organisation : National Poisons Information Service.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable liquid, Category 3 (Flam. Liq. 3, H226).
Acute oral toxicity, Category 4 (Acute Tox. 4, H302).
Skin irritation, Category 2 (Skin Irrit. 2, H315).
Serious eye damage, Category 1 (Eye Dam. 1, H318).
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H335).
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS02



GHS05



GHS07

Signal Word :

DANGER

Product identifiers :

603-003-00-0	PROPAN-1-OL
603-004-00-6	BUTAN-1-OL
CAS 6358-36-7	C.I. BASIC YELLOW 37
612-026-00-5	DIPHENYLAMINE

Hazard statements :

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.

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H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statements - General :	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
Precautionary statements - Prevention :	
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.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response :	
P302 + P352	IF ON SKIN: Wash with plenty of water/...
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see ... on this label).
P362 + P364	Take off contaminated clothing and wash it before reuse.
Precautionary statements - Storage :	
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Precautionary statements - Disposal :	
P501	Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 603-003-00-0 CAS: 71-23-8 EC: 200-746-9 REACH: 01-2119486761-29	GHS02, GHS05, GHS07 Dgr Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336	[1]	25 \leq x % < 50
PROPAN-1-OL			
INDEX: 603-004-00-6 CAS: 71-36-3 EC: 200-751-6	GHS02, GHS05, GHS07 Dgr Flam. Liq. 3, H226 Acute Tox. 4, H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336	[1]	10 \leq x % < 25
BUTAN-1-OL			

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INDEX: 603-016-00-1 CAS: 123-42-2 EC: 204-626-7 4-HYDROXY-4-METHYLPENTAN-2-ONE	GHS07 Wng Eye Irrit. 2, H319	[1]	10 <= x % < 25
CAS: 6358-36-7 C.I. BASIC YELLOW 37	GHS06, GHS09 Dgr Acute Tox. 3, H301 Eye Irrit. 2, H319 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5
INDEX: 612-026-00-5 CAS: 122-39-4 EC: 204-539-4 DIPHENYLAMINE	GHS06, GHS08, GHS09 Dgr Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT RE 2, H373 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	0 <= x % < 2.5

(Full text of H-phrases: see section 16)

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water, administer activated medical charcoal and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

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SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- sulphur dioxide (SO₂)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

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6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically non-conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapors.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid eye contact with this mixture at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from food and drink, including those for animals.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

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7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	100 ppm			A4	
71-36-3	20 ppm				
123-42-2	50 ppm				
122-39-4	10 mg/m ³			A4	

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	VME :	Excess	Notes
71-36-3		100 ppm 310 mg/m ³		1(I)
123-42-2		20 ppm 96 mg/m ³		2(I)
122-39-4		5 E mg/m ³		2(II)

- Belgium (Arrêté du 09/03/2014, 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	100 ppm 250 mg/m ³				
71-36-3	20 ppm 62 mg/m ³			D	
123-42-2	50 ppm 241 mg/m ³				
122-39-4	10 mg/m ³				

- Denmark (2008) :

Stof	TWA	VSTEL	Loftvaerdi	Anm
71-23-8	200 ppm 500 mg/m ³			H
71-36-3	50 ppm 150 mg/m ³			LH
123-42-2	50 ppm 240 mg/m ³			
122-39-4	5 mg/m ³			

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
71-23-8	200	500	-	-	-	84
71-36-3	-	-	50	150	-	84
123-42-2	50	240	-	-	-	84
122-39-4	-	10	-	-	-	15.15 Bis

- Finland (HTP-värden 2016) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8					
71-36-3					
123-42-2	50 ppm 240 mg/m ³	75 ppm 360 mg/m ³			
122-39-4	5 mg/m ³	10 mg/m ³			

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), 2017) :

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CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	200 ppm 500 mg/m ³	400 ppm 1000 mg/m ³		via dermica, s	
71-36-3	20 ppm 61 mg/m ³	50 ppm 154 mg/m ³			
123-42-2	50 ppm 241 mg/m ³				
122-39-4	10 mg/m ³			s	

- Greece (90/1999) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8		200 ppm 500 mg/m ³	250 ppm 625 mgm/3		
123-42-2		50 ppm 240 mg/m ³	75 ppm 360 mgm/3		
122-39-4		10 mg/m ³	20 mg/m ³		

- Ireland (Code of practice for the Chemical Agents Regulations, 2016) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	100 ppm				
71-36-3	20 ppm				
123-42-2	50 ppm 240 mg/m ³				
122-39-4	10 mg/m ³	20 mg/m ³			

- Latvia (Regulation No. 325/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	10 mg/m ³				
71-36-3	10 mg/m ³				

- Lithuania (HN 23 :2001) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-36-3	15 ppm 45 mg/m ³		30 ppm 90 mgm/ ³	UO	
123-42-2	25 ppm 120 mg/m ³	50 ppm 240 mg/m ³			
122-39-4	4 mg/m ³	12 mg/m ³			

- Netherlands / MAC-waarde (10 december 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	200 ppm	-	-	-	-
71-36-3	-	15 ppm	-	-	-
123-42-2	25 ppm	-	-	-	-
122-39-4	0.7 mg/m ³	-	-	-	-

- Poland (2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	200 mg/m ³	600 mg/m ³			
71-36-3	50 mg/m ³	150 mg/m ³			
123-42-2	240 mg/m ³				
122-39-4	5 mg/m ³	-	-	-	-

- Czech Republic (Regulation No. 361/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	500 mg/m ³	1000 mg/m ³		I	
71-36-3	300 mg/m ³	600 mg/m ³			
123-42-2	200 mg/m ³	300 mg/m ³		I	
122-39-4	10 mg/m ³	20 mg/m ³		D, P	

- Slovakia (Règlement 300/2007, 471/2011 23/11/2011) :

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CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-36-3	100 ppm 310 mg/m ³				

- Slovenia (Uradni List, 04/06/2015) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-36-3		100 ppm 310 mg/m ³		Y	
123-42-2		50 ppm 240 mg/m ³		K	
122-39-4		5 (I) mg/m ³		K	

- Sweden (AFS 2015 :7) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	1989 ppm 150 mg/m ³ 350 fcm ³	250 mg/m ³ 600 fc/m ³		V	
71-36-3	1989 ppm 15 mg/m ³ 45 fcm ³	30 mg/m ³ 90 fc/m ³		H	
123-42-2	1993 ppm 25 mg/m ³ 120 fcm ³	50 mg/m ³ 240 fc/m ³		V	
122-39-4	1996 ppm 4 fcm ³	12 fc/m ³		V	

- Romania (Hotarâre 1218/2006) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	81 ppm 200 mg/m ³	203 ppm 500 mg/m ³			
71-36-3	33 ppm 100 mg/m ³	66 ppm 200 mg/m ³			
123-42-2	32 ppm 150 mg/m ³	53 ppm 250 mg/m ³			
122-39-4	4 mg/m ³	6 mg/m ³			

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
71-23-8	200 ppm 500 mg/m ³	250 ppm 625 mg/m ³		Sk	
71-36-3	- ppm - mg/m ³	50 ppm 154 mg/m ³		Sk	
123-42-2	50 ppm 241 mg/m ³	75 ppm 362 mg/m ³			
122-39-4	- ppm 10 mg/m ³	- ppm 20 mg/m ³			

- Croatia

Identification	TWA	STEL	Ceiling	Notations
71-23-8	200 ppm 500 mg/m ³	250 ppm 625 mg/m ³		K; F, Xi
71-36-3		50 ppm 154 mg/m ³		K; Xn
123-42-2	50 ppm 241 mg/m ³	75 ppm 362 mg/m ³		Xi
122-39-4	10 mg/m ³	20 mg/m ³		T, N

- Estonie

Identification	Piirnorm	Luhiajalise kokkupuute piirnorm	Piirnormi lagi	Markused
71-36-3	15 ppm 45 mg/m ³		30 ppm 90 mgm/3	A

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123-42-2	25 ppm 120 mg/m ³	50 ppm 240 mg/m ³		
122-39-4	10 mg/m ³			

- Hongrie

Megnevezes	AK-ertek	CK- ertek	MK- ertek	Megjegyzések
71-36-3	45 mg/m ³	90 mg/m ³		b, i

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing vapours.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

- E1 (Yellow)

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Fluid liquid.

Important health, safety and environmental information

pH : Not relevant.
Boiling point/boiling range : Not specified.
Flash Point : 24.40 °C.
Vapour pressure (50°C) : Below 110 kPa (1.10 bar).
Density : Not stated.
Water solubility : Insoluble.
Melting point/melting range : Not specified.
Self-ignition temperature : Not specified.
Decomposition point/decomposition range : Not specified.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
 - carbon dioxide (CO₂)
 - sulphur dioxide (SO₂)
-

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Harmful if swallowed.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

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Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.
Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness.
Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

C.I. BASIC YELLOW 37 (CAS: 6358-36-7)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

14.1. UN number

1993

14.2. UN proper shipping name

UN1993=FLAMMABLE LIQUID, N.O.S.

14.3. Transport hazard class(es)

- Classification :



3

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	274 601	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E,S-E	223 274 955	E1

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3	E1
	3	-	III	Y344	10 L	-	-	A3	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

- Container information:

The mixture is contained in packaging that does not exceed 125 ml.

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2 : Hazardous for water.

15.2. Chemical safety assessment

WGK 1 : Slightly hazardous for water.

WGK 1 : Slightly hazardous for water.

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SECTION 16 : OTHER INFORMATION

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.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefahrdungsklasse (Water Hazard Class).

GHS02 : Flame

GHS05 : Corrosion

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.