

Safety Data Sheet



Revision Date 29-Aug-2018
Version 1.01

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Ink Exit
Pure substance/mixture Mixture

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

Recommended Use Professional Textile Cleaning

1.3 Details of the supplier of the safety data sheet

Supplier Legend Brands Europe
Chemspec
22 Plover Close Interchange Park
Newport Pagnell MK16 9PS, UK
+44 (0) 1908 611211

For further information, please contact: sds@legendbrands.com

1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

Europe	112
Bulgaria	+359 2 9154 409
Cyprus	+357 22405609
Croatia	+385 1 234 8342
Czech Republic	+420 267 225 243
Estonia	112
Greece	+30 210 64 79 407
Hungary	+36 80 20 11 99
Latvia	+371 67032028
Lithuania	+3705 212 6094
Malta	112
Poland	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54 +48 22 619 08 97
Romania	+40 21 207 11 06
Slovenia	+386 1 478 6051
Slovakia	+421 2 54 77 4 166

2. Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2 Label elements**Signal Word**

Warning

Hazard Statements

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

Contains MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2 H-ISOTHIAZOL-3-ONE (3:1)

2.3. Other Hazards

No information available

3. Composition/information on ingredients**3.1 Substances**

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures

Chemical Name	EC-No	CAS No.	Weight-%	Classification (1272/2008/EC)	REACH Registration Number
Sodium sulphate	231-820-9	7757-82-6	< 1	no data available	01-2119519226-43-XX XX
Sodium chloride	231-598-3	7647-14-5	< 1	Not Classified	no data available
1,2-Benzisothiazol-3(2H)-one	220-120-9	2634-33-5	< 0.1	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)	no data available
2-Methyl-2H-isothiazol-3-one	220-239-6	2682-20-4	< 0.1	STOT SE 3 (H335) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Eye Dam. 1 (H318) Aquatic Acute 1 (H400)	no data available
MIXTURE OF 5-CHLORO-2-METHYL-4-IS OTHIAZOLIN-3-ONE AND 2-METHYL-2	-	55965-84-9	< 0.1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314)	no data available

H-ISOTHIAZOL-3-ONE (3:1)				Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
5-Chloro-2-methyl-4-isothiazolin-3-one	247-500-7	26172-55-4	< 0.1	STOT SE 3 (H335) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Eye Dam. 1 (H318) Aquatic Acute 1 (H400)	no data available

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First Aid Measures

4.1 Description of first-aid measures

Inhalation	Move to fresh air.
Skin contact	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

Advice for emergency responders
For personal protection see section 8.

6.2 Environmental precautions

See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically and collect in suitable container for disposal.

6.4 Reference to other sections

See section 8 for more information.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

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

7.3 Specific end uses

Specific use(s)

No information available

Exposure scenario

No information available.

8. Exposure controls/personal protection

8.1 Control parameters

Exposure Limit Values

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	Greece	Hungary	Latvia	Lithuania	Malta	Ukraine
Sodium sulphate 7757-82-6			TWA: 10 mg/m ³	TWA: 10 mg/m ³		
Sodium chloride 7647-14-5			TWA: 5 mg/m ³	TWA: 5 mg/m ³		
Chemical Name	Poland	Romania	Russia	Slovenia	Turkey	Slovakia
Sodium sulphate 7757-82-6			MAC: 10 mg/m ³			
Sodium chloride 7647-14-5			MAC: 5 mg/m ³			

TWA:
STEL:
LLV:
STV:

Time weighted average
Short term exposure limit
Exposure Limit Values
Short Term Value

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection

Safety glasses with side-shields.

Hand Protection

Protective gloves.

Skin and body protection

Long sleeved clothing.

Respiratory protection

No special protective equipment required.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls No information available.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Light Amber
Odor	Slight
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	7.5	
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point	Not Applicable	No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	1.01	
Water solubility	Soluble in water	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content Negligible

10. Stability and Reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible Materials

No materials to be especially mentioned

10.6 Hazardous Decomposition Products

None under normal use conditions.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product Information

The product itself has not been tested.

Inhalation	There are no data available for this product.
Eye contact	There are no data available for this product.
Skin contact	There are no data available for this product.
Ingestion	There are no data available for this product.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	5,388.00 mg/kg
ATEmix (dermal)	7,931.00 mg/kg
ATEmix (inhalation-gas)	63,776.00 ppm
ATEmix (inhalation-dust/mist)	14.56 mg/l
ATEmix (inhalation-vapor)	64.00 mg/l

Unknown Acute Toxicity

- < 1% of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
SODIUMXYLENE SULFONATE	1000 mg/kg (Rat)		
Trade Secret	500 mg/kg (Rat)		

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	May cause eye irritation.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	No information available.
Aspiration hazard	No information available.

12. Ecological information

12.1 Toxicity

47.80245 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium sulphate		LC50: 96 h Pimephales promelas 13500 - 14500 mg/L LC50: 96 h Pimephales promelas 6800 mg/L static LC50: 96 h Lepomis macrochirus 3040 - 4380 mg/L static LC50: 96 h Lepomis macrochirus 13500 mg/L	EC50: 48 h Daphnia magna 2564 mg/L
Sodium chloride		LC50: 96 h Lepomis macrochirus 5560 - 6080 mg/L flow-through LC50: 96 h Lepomis macrochirus 12946 mg/L static LC50: 96 h Pimephales promelas 6020 - 7070 mg/L static LC50: 96 h Pimephales promelas 7050 mg/L semi-static LC50: 96 h Pimephales promelas 6420 - 6700 mg/L static LC50: 96 h Oncorhynchus mykiss 4747 - 7824 mg/L flow-through	EC50: 48 h Daphnia magna 1000 mg/L EC50: 48 h Daphnia magna 340.7 - 469.2 mg/L Static
5-Chloro-2-methyl-4-isothiazolin-3-one	EC50: 72 h Pseudokirchneriella subcapitata 0.11 - 0.16 mg/L static EC50: 96 h Pseudokirchneriella subcapitata 0.03 - 0.13 mg/L static	LC50: 96 h Oncorhynchus mykiss 1.6 mg/L semi-static	EC50: 48 h Daphnia magna 4.71 mg/L EC50: 48 h Daphnia magna 0.12 - 0.3 mg/L Flow through EC50: 48 h Daphnia magna 0.71 - 0.99 mg/L Static

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
1,2-Benzisothiazol-3(2H)-one	1.3
5-Chloro-2-methyl-4-isothiazolin-3-one	0.75

12.4 Mobility in soil

Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects.

No information available.

13. Disposal Considerations

13.1 Waste treatment methods

Waste from residues / unused products

Dispose of in accordance with local regulations.

Contaminated packaging Empty remaining contents.

14. Transport Information

ADR

14.1 UN Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

IMDG

14.1 UN Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard class Not regulated
 14.4 Packing Group Not regulated
 14.5 Marine pollutant Not applicable
 14.6 Special Provisions None
 14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code No information available

IATA

14.1 UN Not regulated
 14.2 Proper shipping name Not regulated
 14.3 Hazard class Not regulated
 14.4 Packing Group Not regulated
 14.5 Environmental hazard Not applicable
 14.6 Special Provisions None

15. Regulatory information

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

National regulatory information

Germany

Chemical Name	French RG number	Title
Sodium chloride 7647-14-5	RG 78	-
1,2-Benzisothiazol-3(2H)-one 2634-33-5	RG 65	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL	Complies
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-
NZIoC	-

Legend**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**AICS** - Australian Inventory of Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals**15.2 Chemical Safety Assessment**

No information available

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet**Full text of H-Statements referred to under section 3**

H335 - May cause respiratory irritation

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H302 - Harmful if swallowed

H315 - Causes skin irritation

H331 - Toxic if inhaled

H410 - Very toxic to aquatic life with long lasting effects

Revision Date 29-Aug-2018**Revision Note** Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet