according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) No 453/2010

Article No.: Print date:

160XXXXXX

FW ARTISTS ACRYLIC INKS Revision date: 05.09.2016 Issue date: 05.09.2016

Version:

05.09.2016 1.0

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

1.1. **Product identifiers**

Article No. (manufacturer/supplier):

160XXXXXX

Identification of the substance or mixture

FW ARTISTS ACRYLIC INKS

ALL COLOURS

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

Relevant identified uses

Artists supply and hobby preparations

Coatings and paints, thinners, paint removers

Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/downstream user/distributor):

Telephone: +44 (0) 1344 461083 Telefax: +44 (0) 1344 486511

Dept. responsible for information:

E-mail

Emergency telephone number 1.4.

Emergency telephone:

+44 (0) 1344 461000

Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Hazard statements

Precautionary statements

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

contains:

n.a.

Supplemental Hazard information (EU)

n.a.

2.3. Other hazards

Composition / Information on ingredients 3.

3.2. Mixtures

Product description / chemical characterization

Description

acrylic paint

Hazardous ingredients

Classification according to Regulation (EC) No. 1272/2008 [CLP]

EC No. CAS No. REACH No.

INDEX No.

Chemical name classification:

Wt % Remark

n.a.

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) No 453/2010

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Additional information

Full text of classification: see section 16

4. First-aid measures

4.1. Description of first aid measures

1.0

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

Additional information

Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

7. Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) No 453/2010

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Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Follow the legal protection and safety regulations.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed.

Further information on storage conditions

Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C.

7.3. Specific end use(s)

Observe instructions for use.

Exposure controls / Personal protection

Control parameters

Occupational exposure limit values:

n.a.

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Occupational exposure controls

Respiratory protection

Not applicable.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material 0,4 mm Breakthrough time (maximum wearing time) 30 min

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear suitable protective clothing and gloves.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties 9.1.

Appearance:

Physical state:

liquid

Colour: Odour:

refer to label characteristic

Safety relevant basis data

Flash point:

Not applicable

Method

Remark

Vapour pressure at 20 °C:

14.95 mbar

Density at 20 °C: Water solubility (g/L):

1,00 g/cm3

pH at 20 °C:

completely miscible 50,00 8,0

Viscosity at 20 °C:

9.2. Other information:

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to

< 30 mPa·s

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) No 453/2010

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chapter 7.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11. Toxicological information

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself .

12. Ecological information

overall evaluation

Classification according to Regulation (EC) No. 1272/2008 [CLP]

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1. Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) No 453/2010

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12.5. Results of PBT assessment

1.0

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

13. Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 080111

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste. Send to a collecting point for used paints.

Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

14.1. UN number

n.a.

142. UN proper shipping name

14.3. Transport hazard class(es)

n.a.

14.4. Packing group

n.a.

n.a.

14.5. Environmental hazards

Land transport (ADR/RID)

Marine pollutant n.a.

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Additional information

Land transport (ADR/RID)

tunnel restriction code

Sea transport (IMDG)

EmS-No. n.a.

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

not applicable

Regulatory information 15.

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

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/L) ISO 11890-2:

0 0

VOC-value (in g/L) ASTM D 2369:

National regulations

Restrictions of occupation

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) No 453/2010

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Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

16. Other information

Full text of classification in section 3:

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Additional information

Classification according to Regulation (EC) No. 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1.It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

according to Regulation (EC) No 1907/2006 (REACH) as amended

Inks 2701

Creation date

04. June 2013

Revision date

23. May 2019

Version

4.0

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

Product identifier

Inks 2701 mixture

Substance / mixture

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

Filling for stationery: type 2701, 3551, 3611, 3640,

3651, 2851 Crayola, 2601, 4601, 7550, 8683

Aquarelle.

Mixture uses advised against

Mixture's intended use

not available

Details of the supplier of the safety data sheet 1.3.

Manufacturer

Name or trade name

Address

Identification number (CRN)

Phone

E-mail

Competent person responsible for the safety data sheet

Name

E-mail

1.4 **Emergency telephone number**

Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or + 420 224 915 402, Information on health risks only - acute poisoning of humans and animals

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Most serious adverse effects on human health and the environment

Unknown

2.2. **Label elements**

none

2.3. Other hazards

Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) no. 1272/2008.

SECTION 3: Composition/information on ingredients

Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

none

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SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this Safety Data Sheet.

If inhaled

not available

If on skin

Remove contaminated clothes. Wash the affected area with plenty of lukewarm water and soap.

If in eves

Rinse the eyes immediately with a flow of running water, open the eyelids wide (also using force if needed); remove contact lenses immediately if worn by the person. Rinsing should continue at least for 10 minutes. Ensure medical, preferably professional treatment.

If swallowed

Rinse mouth with water and let the victim drink plenty of water (only if the affected person is conscious). For persons with no symptoms, call the Toxicological Information Centre to decide about the need of medical treatment; provide information about the substances or composition of the product from the original packaging or the Safety Data Sheet of the substance or mixture. Provide medical treatment if the person has any health problems.

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

If inhaled

not available

If on skin

not available

If in eyes

not available

If swallowed

not available

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist

Unsuitable extinguishing media

water - full jet

5.2. Special hazards arising from the substance or mixture

Fire produces heavy, black smoke, with potential development of carbon monoxide and dioxide and other toxic gases. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent contact with skin and eyes. Use personal protective equipment for work. Entry authorized persons only.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

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according to Regulation (EC) No 1907/2006 (REACH) as amended

Inks 2701

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6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (nonflammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per Section 13. Collected material should be disposed of in accordance with locally valid regulations. Upon an escape of large quantities of the product, inform the Fire Department and the Environmental Department of the Municipal Authority with extended scope of competencies. After removal of the product, wash the contaminated site with plenty of water or another suitable cleaning material. Do not use solvents.

6.4. Reference to other sections

7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in areas designated for this purpose.

7.3. Specific end use(s)

Observe the information supplied by the manufacturer for the intended use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

none

8.2. Exposure controls

Follow usual measures for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Safety glasses with side protection (EN 166) if there is a risk of splashing.

Skin protection

Hand protection: Protective gloves (EN 374). Short-term exposure: disposable gloves made from vinyl. Long-term exposure: chemical resistant gloves made from nitrile. Observe recommendations of the particular manufacturer of the gloves in the choice of their appropriate thickness, material and permeability. Other protection: Protective clothing. Contaminated skin should be washed thoroughly.

Respiratory protection

In normal use is not necessary.

Thermal hazard

not available

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state

color

Odour

Odour threshold

pН

liquid at 20°C

according to the manufacturer's specifications

data not availab

data not available

6.20-8.30 (undiluted)

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Melting point/freez	zing point	data not available	
Initial boiling point	and boiling range	data not available	
Flash point		data not available	
Evaporation rate		data not available	
Flammability (solid	d, gas)	data not available	
Upper/lower flamm	nability or explosive limits		
flammability lim	nits	data not available	
explosive limits		data not available	
Vapour pressure		data not available	
Vapour density		data not available	
Relative density		data not available	
Solubility(ies)			
solubility in wat	er	soluble	
solubility in fats		data not available	
Partition coefficient	t: n-octanol/water	data not available	
Auto-ignition temper	erature	data not available	
Decomposition tem	perature	data not available	
Viscosity		1.20-2.90 mPas	
Explosive propertie	es .	data not available	
Oxidising properties		data not available	
Other information	n		
Density		data not available	
ignition temperatur	re ·	data not available	
	ALL AND ALL AN		

SECTION 10: Stability and reactivity

10.1. Reactivity

9.2.

not available

10.2. Chemical stability

Under normal use there is no dangerous reaction with other substances.

10.3. Possibility of hazardous reactions

Under normal conditions, the product is stable.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Based on available data the classification criteria are not met.

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according to Regulation (EC) No 1907/2006 (REACH) as amended

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Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

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.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Data for the mixture are not available.

12.2. Persistence and degradability

not available

12.3. Bioaccumulative potential

not available

12.4. Mobility in soil

not available

12.5. Results of PBT and vPvB assessment

The product is not classified as PBT or vPvB.

12.6. Other adverse effects

not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to an authorised person for waste removal (specialized company) authorised for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. Hazard of environmental contamination; remove waste in accordance with local and/or national regulations.

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Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

SECTION 14: Transport information

14.1. UN number

Not subject to ADR

14.2. UN proper shipping name

not available

14.3. Transport hazard class(es)

not available

14.4. Packing group

not available

14.5. Environmental hazards

not available

14.6. Special precautions for user

Reference in Sections 4 to 8.

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

not available

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road

Bioconcentration Factor

BCF CAS Chemical Abstracts Service

Regulation (EC) No 1272/2008 on classification, labelling and packaging of CLP

substance and mixtures

DNEL Derived no-effect level

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ision date	23. May 2019	Version	4.0		
EC		ach substance listed in E			
EC50		tance when it is affected			
EINECS	European Inventory of I	Existing Commercial Che	mical Substances		
EmS	Emergency plan				
EU	European Union				
IATA	International Air Transp				
IBC		The Construction And Equ	uipment of Ships Carrying		
	Dangerous Chemicals				
IC50	Concentration causing 5				
ICAO	International Civil Aviati				
IMDG	International Maritime D				
INCI		ture of Cosmetic Ingredie	ents		
ISO	International Organizati				
IUPAC	International Union of P	ure and Applied Chemist	ry		
LC50	Lethal concentration of a the population	a substance in which it ca	an be expected death of 50% of		
LD50	Lethal dose of a substan population	ice in which it can be exp	pected death of 50% of the		
LOAEC	Lowest observed advers	e effect concentration			
LOAEL	Lowest observed advers	e effect level			
log Kow	Octanol-water partition	coefficient			
MARPOL	International Convention	for the Prevention of Po	ollution From Ships		
NOAEC	No observed adverse eff	ect concentration			
NOAEL	No observed adverse eff	ect level			
NOEC	No observed effect conce	entration			
NOEL	No observed effect level				
OEL	Occupational Exposure L	imits			
PBT	Persistent, Bioaccumulat	ive and Toxic			
PNEC	Predicted no-effect conce	entration			
ppm	Parts per million				
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals				
RID	Agreement on the transp	ort of dangerous goods	by rail		
UN			e or article taken from the UN		
UVCB	Substances of unknown obiological materials	or variable composition,	complex reaction products or		
VOC	Volatile organic compour	nds			
vPvB	Very Persistent and very	Bioaccumulative			

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULÁTION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

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according to Regulation (EC) No 1907/2006 (REACH) as amended

Inks 2701

Creation date Revision date 04. June 2013

23. May 2019

Version

4.0

The version 4.0 replaces the SDS version from 18.05.2018. Changes were made in sections 2, 13, 15 and 16.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

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power your pen

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

- · 1.1 Product identifier
- · Trade name: MA 2310 black
- Article number: 100000003691
- · Registration number
 The ingredients of this ink have been pre-registered according to 1907/2006/EC (REACH)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Currently no such applications are identified

 Application of the substance / the mixture alcohol based permanent marking ink
- \cdot 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

DOKUMENTAL GmbH & Co KG Schreibfarben

Woellnerstraße 26 D-67065 Ludwigshafen

Phone + 49(0)621/5402321 Fax + 49(0)621/5402391 www. dokumental.de

Further information obtainable from:

Technical Service, Dr. B. Polzin Tel.: +49-621-5402322

Mobile +49-1726204412 E-Mail: bernd.polzin@dokumental.de

1.4 Emergency telephone number:
GBK Gefahrgut Büro GmbH

++49 (0) 6132 / 84463 Ingelheim, Deutschland

SECTION 2: Hazards identification

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



GHS02 flame

H225 Highly flammable liquid and vapour. Flam. Liq. 2



GHS08 health hazard

Muta. H341 Suspected of causing genetic defects.



GHS05 corrosion

H318 Causes serious eye damage. Eye Dam. 1



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- 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













(Contd. on page 2)

(Contd. of page 1)

· Signal word Danger

· Hazard-determining components of labelling: Phosphoric acid mono-bis-(2-ethylhexyl)-ester C. I. Solvent Orange 3

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage. H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

 ${\it Use explosion-proof electrical/ventilating/lighting/equipment}$

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.
P310 Immediately call a POISON CENTER/doctor.

P405

Store locked up.
Dispose of contents/container in accordance with local/regional/national/ P501

international regulations. · Additional information:

EUH208 Contains C. I. Solvent Blue 4 < 0.1% Michler's Ketone. May produce an allergic reaction. 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Mixture of the following substances, containing non-hazardous substances and colouring agents.
- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous componen	cs:	
CAS: 64-17-5	ethanol	50-100%
EINECS: 200-578-6	🥎 Flam. Liq. 2, H225; 🐼 Eye Irrit. 2, H319	
CAS: 107-98-2	1-methoxy-2-propanol	2,5-10%
EINECS: 203-539-1	爾 Flam. Liq. 3, H226; 🐧 STOT SE 3, H336	
CAS: 12645-31-7	Phosphoric acid mono-bis-(2-ethylhexyl)-ester	2,5-10%
EINECS: 235-741-0		
CAS: 84281-86-7	C. I. Solvent Violet 8	2,5-10%
EINECS: 282-630-8	Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 4, H413	
CAS: 495-54-5	C. I. Solvent Orange 3	2,5-10%
EINECS: 207-803-7	Muta. 2, H341; 🔥 Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315	
CAS: 6786-83-0	C. I. Solvent Blue 4 < 0,1% Michler's Ketone	<u>≤</u> 1,0%
EINECS: 229-851-8	📀 Eye Dam. 1, H318; 🐧 Skin Sens. 1B, H317	

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

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation:
- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
 Immediately wash with water and soap and rinse thoroughly.
 Immediately rinse with water.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. After swallowing: If symptoms persist consult doctor.
- 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, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents:

Water with full jet

(Contd. on page 3) EU

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48/8-1084 by #240892 -\$MP48485CRPT ILLSTR. to 1907/2006/EC, Article 31

Trade name: MA 2310 black

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Wear protective clothing.

6.2 Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.
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:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

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

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.

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

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

107-98-2 1-methoxy-2-propanol (2,5-10%)

IOELVShort-term value: 568 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm Skin

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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(Contd. of page 3)
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The servet break travel time has to be found out by the manufacturer of the protective gloves and has

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

9.1 Information on basic physical and chemica	al properties
General Information	
Appearance: Form:	m14.4
Colour:	Fluid Black
Odour:	Alcohol-like
Odour threshold:	Not determined.
Important information on protection of health	n and
environment, and on safety.	-
pH-value at 20 °C:	5
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	78 °C
Flash point:	13 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	287 °C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1,7 Vol %
Upper:	15,0 Vol %
Vapour pressure at 20 °C:	59 hPa
Density at 20 °C:	0,88 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	75,2 %
Solids content:	19,1 %
9.2 Other information	The physical and chemical properties given in
	Section 9.1 are rough data only, which are
	partially derived from the component's data of
	the mixture. These data are no binding product specifications.

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(Contd. of page 4)

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.

 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 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:
- 84281-86-7 C. I. Solvent Violet 8
- Oral LD50 700 mg/kg (rat)
- Primary irritant effect:
- Skin corrosion/irritation
- Causes skin irritation.
- Serious eye damage/irritation
- Causes serious eye damage.

 Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Acute effects (acute toxicity, irritation and corrosivity)
 Based on the guidline OECD 431 in vitro tests have been performed. These tests proved, that the ink does not show any corrosive effect to the human skin.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity
- Suspected of causing genetic defects.
- 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 Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met. Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Ecotoxical effects:
- Remark: Toxic for fish
- Additional ecological information:
- General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

- Toxic for 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.
- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

EU

(Contd. on page 6)

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(Contd. of page 5)

SECTION 14: Transport information	
· 14.1 UN-Number · ADR, IMDG, IATA	UN1263
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1263 PAINT, ENVIRONMENTALLY HAZARDOUS PAINT (chrysoidine), MARINE POLLUTANT Paint
· 14.3 Transport hazard class(es)	
· ADR	
· Class · Label	3 (F1) Flammable liquids. 3
· IMDG	
· Class · Label	3 Flammable liquids. 3
IATA	
· Class · Label	3 Flammable liquids. 3
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards: · Marine pollutant:	Product contains environmentally hazardous substances: chrysoidine Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category	Warning: Flammable liquids. 33 F-E, <u>S-E</u>
· 14.7 Transport in bulk according to Annex 1 Marpol and the IBC Code	B II of Not applicable.
· Transport/Additional information:	appricable.
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category · Tunnel restriction code	2 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml

SECTION 15: Regulatory information

- \cdot 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- \cdot Named dangerous substances ANNEX I None of the ingredients is listed.

(Contd. on page 7)

(Contd. of page 6) · Seveso category

E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
- · Technical instructions (air):

48/85/08/40/17 #2/40/892 -44/144/48/CRPT ILLSTR

-1907/2006/EC,

Class	Share in %
NK	50-100

- · Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Relevant phrases
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H225 Highly flammable liquid and vapour.
  H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
  H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
   H317 May cause an allergic skin reaction.
  H318 Causes serious eye damage.
H319 Causes serious eye irritation.
   H336 May cause drowsiness or dizziness
  H341 Suspected of causing genetic defects.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects
   H413 May cause long lasting harmful effects to aquatic life.
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)

LC50: Lethal concentration, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

VPVB: very Persistent and very Bioaccumulative

Flam. Lig. 2: Flammable liquids, Hazard Category 2

Flam. Lig. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 4

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4
   Abbreviations and acronyms:
```

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	according to Regulation (EC) No. 1907/20	06 (REACH)
Datum vytvoření:	18.06.2013	
Revize:		Page: 1 / 5
Název:	INK 2611	

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

1.1. Product identifier

Trade name: <u>INK 2611</u> Relevant identified uses of the substance or mixture and uses advised agens

Filling for stationery: type 2551, 2611, 2621, 2651, 2811, 2851 1.3.

Details of the supplier of the safety data sheet Manufacturer:

Address:

Phone: Fax: E-Mail:

Emergency telephone number

Toxicological Information Centre Prague (TIS), Address: Na Bojišti 1, Praha

Telephone number: Tel. No.: +420 224 919 293 or +420 224 919 293 or +420 224 915 402 – non stop

SECTION 2: Hazards identification

Classification of the substance or mixture

The mixture is not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC. The most important adverse physicochemical, human health and environmental effects

2.2. Label elements

R-phrases

S-phrases

Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name of agent	CAS number EC (EINECS)	Classification according to 67/548/EEC	Classification according to 1272/2008		Concentration %
Glycerol (1)	56-81-5 200-289-5				< 10
Alcohols, C12-15, ethoxylated	68131-39-5 500-195-7	Xn, N; R22, R41, R50	Eye Dam. 1	H302 H318 H400	< 1

⁽¹⁾ Substance with a Community workplace exposure limit.

For R-phrases and H-statements in full: see heading 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation: Move the victim into fresh air.

After skin contact: Take of all contaminated clothes immediately. Wash immediately with lots of water with soap.

After eye contact: Remove any contact lenses. Immediately flush eyes with plenty of water for 10-15 minutes, occasionally lift the upper and lower eyelids. Get medical attention.

After ingestion: Place a victim calm. Rinse the mouth with water and give victim drink plenty of water (only if the affected person is conscious). Seek medical advice immediately and show this container or label..

Most important symptoms and effects, both acute and delayed

After inhalation not known

After skin contact

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not known After eye contact not known After ingestion

Indication of any immediate medical attention and special treatment needed

If any healt problems occur, seek medical attention and give him informations from this Safety Data Sheet.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents: according to surroundings fire Unsuitable extinguishing media: undefined

Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions: carbon dioxide (CO2), carbon monoxide. Exposure to decomposition products may cause a health hazard.

Advice for firefighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Do not allow run-off from fire-fighting to enter drains or watercourses.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Stop leaking if possible without risk. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, soil, vermiculite or diatomaceous soil, and place in container for disposal according to local regulations (see section 13). Clean contaminated surfaces with an excess of water.

Reference to other sections

Follow the instructions contained in sections 7, 8 and 13,

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protective equipment according to section 8. Observe the applicable legislation on safety and health protection. Conditions for safe storage, including any incompatibilities

7.2. Store in tightly closed original container.

Specific end use(s)
Observe the information supplied by the manufacturer for the intended use.

SECTION 8: Exposure controls/personal protection

Control parameters

Chemický název látky	CAS		Limit val	ues	
		8 hours	Short term		
		mg.m ⁻³	ppm	mg.m ⁻³	ppm
glycerol		15		10	

Exposure controls

Observe usual measures of health at work and in particular good ventilation. This can be achieved only by effective local exhaust or general ventilation. If it is not possible abide exposure limits, you have to use appropriate respiratory protection. When using do not eat, drink or smoke. After work and before breaks for food and rest wash your hands thoroughly with soap and water.

Respiratory protection
In normal use is not necessary.

Skin protection

Protective gloves (EN 374). Protective work clothing.

Eye/face protection

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In normal use is not necessary. Thermal hazards undefined

Environmental exposure controls

Observe usual measures to protect the environment, see section 6.2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information		
Appearance:		
Physical state	liquid	
Colour	according to specifications	
Odour	characteristic	
Odour threshold	No data available	
pH-value:	6,5 - 7,0	
Melting point/freezing point:	No data available	
Boiling point/Boiling range:	No data available	
Flash point:	No data available	
Evaporation rate:	No data available	
Flammability:	No data available	
Flammability limits:	No data available	
Explosive limits:	No data available	
Vapour pressure:	No data available	
Vapour density:	No data available	
Relative density:	No data available	
Solubility in / Miscibility with water:	Water-soluble	
Partition coefficient: n-octanol/water:	No data available	200
Auto-ignition temperature:	No data available	
Decomposition temperature:	No data available	
Viscosity:	1,20 – 1,70 mPas	
Explosive properties:	No data available	
Oxidising properties:	No data available	

Other information

undefined

SECTION 10: Stability and reactivity

10.1. Reactivity

In normal conditions mixture does not dangerously react with other substances.

10.2. Chemical stability
In normal conditions is the mixture stable.
10.3. Possibility of hazardous reactions

undefined
10.4. Conditions to avoid

undefined 10.5. Incompatible materials

undefined
10.6. Hazardous decomposition products
Under normal conditions no dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:
There are no toxicological data available.

Acute toxicity of substances: glycerol (CAS: 56-81-5, EC:200-289-5) LD50, Oral, Rat

12600 mg.kg⁻¹ > 10000 mg.kg⁻¹ LD50, Dermal, Rabbit

Irritation

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

Corrosivity

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according to Regulation (EC) No. 1907/2006 (REACH)

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

Based on available data, the classification criteria are not accoplished. Repeated dose toxicity

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

Carcinogenicity

Based on available data, the classification criteria are not accoplished. Mutagenicity

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

Reproductive toxicity

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

SECTION 12: Ecological information

There are no ecotoxicological data available. Do not allow product to penetrate and getting into sewage system and watercourses

Toxicity of substances

glycerol (CAS: 56-81-5, EC:200-289-5) LC50, Fishes > 5000 mg.kg > 5000 mg.kg⁻¹ (test: Carassius auratus (goldfish)) > 2900 mg.kg⁻¹ EC50, Daphnia

12.2. Persistence and degradability

There is no data available for the mixture.

12.3. Bioaccumulative potential No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The mixture contains no PBT a vPvB substances.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Follow the rules on the disposal of special waste in secured landfill for the waste or incineration facilities for hazardous waste. Do not allow unused product reached to drains. Empty containers can be used in waste incinerator, or stored on landfill with the specific classification. In the case of release of the mixture into the nature, perform decontamination with the appropriate sorbent. This product can not be disposed of together with municipal waste.

Code of the waste 080112

waste paint and varnish other than those mentioned in 08 01 11

wastes from MFSU and removal of paint and varnish
WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF
COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS

11

AND PRINTING INKS

Uncleaned packaging:

Directive 2008/98/EC, decision 2001/118/EC.

SECTION 14: Transport information

14.1. UN number

The product is not covered by ADR.

14.2. UN proper shipping name undefined

14.3. Transport hazard class(es)

undefined 14.4. Packing group undefined

14.5. Environmental hazards

No data available

14.6. Special precautions for user

undefined

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

undefined

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SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) Datum vytvoření: 18.06.2013 Revize: Page: 5 / 5 Název: **INK 2611**

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation of Chemicals, establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488 / 94 Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances. Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations. Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.
- Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Changes in the safety data sheet

Legend to abbreviations and acronyms

CAS Unique identifier of chemical substances

EC (EINECS) European Inventory of Existing Commercial Chemical Substances

PBT Persistent, bioaccumulative and toxic

vPvB Very persistent and very bioaccumulative Acute Tox. 4 Acute toxicity

Aquatic Acute 1 Hazardous to the aquatic environment

Eye Dam. 1 Serious eye damage Key literature references and sources for data

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publicarion.

List of R phrases, hazard statements, safety phrases and/or precautionary statements used in safety data sheet H302 Harmful if swallowed.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

R 22 Harmful if swallowed.

R 41 Risk of serious damage to eyes.

R 50 Very toxic to aquatic organisms

Guidelines for training

Acquaint staff with the recommended use, compulsory safety equipment, first aid and forbidden handling. The product may not be use for any purpose other than stated in the Material Safety Data Sheet (point 1.2.). User is responsible for compliance with all relevant legislation to protect health and the environment. The product should not be without the consent of the producer / importer is used for purposes other than stated in Chapter 1. User is responsible for compliance with all relevant legislation to protect health.

Disclaimer:

The MSDS contains information on safety and health protection at work and environmental protection. These data correspond to the current state of knowledge and experience and are in compliance with applicable laws and regulations. Supplier is not responsible for any damage that may be caused by improper use of the mixture. Any modifications to the safety data sheet without the consent of the competent person are prohibited.

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