Product: BALL POINT BLACK 85-36-A Date: 12-1-2008

Revision Date: 12-1-2008

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

**BALL POINT BLACK 85-36-A** 

SUPPLIER:

Name: Address:

NATIONAL INK L.L.C. 10870 HARTLEY ROAD SANTEE, CA 92071 USA

Telephone number: 619-449-1035

Recommended use: Writing pens containing less than 0.5 grams of ink.

#### 2 COMPOSITION / INFORMATION ON INGREDIENTS

PREPARATION:

Chemical nature:

Mixture based on glycols, fatty acids and organic dyes

Hazardous Ingredients:

2-phenoxy ethanol

weight: > 20%

CAS# 122-99-6

EINECS#:204-589-7

REACH#: 05-2114673831-43-0000

Benzyl alcohol

weight: < 10%

CAS#: 100-51-6

EINECS#:202-859-9

REACH#: 05-2114674181-51-0000

Glycol

weight: <10%

REACH#: 05-2114674842-39-0000

Fatty acid

weight: < 10%

REACH# 05-2114679730-41-0000

Polymeric resin

weight: < 20%

orange dye

weight : < 5%

REACH# 05-2114680014-56-0000

violet dye

weight: < 12 %

REACH# 05-2117769083-39-0000

black dye

weight: < 10%

REACH# 05-2117768350-43-0000

black pigment

weight: < 3%

REACH# 05-2114679365-36-0000

Hazard Codes: Xi- Irritant, Xn- Harmful

## HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS:

Adverse human health effects:

Environmental effects:

Contains hazardous substances(s) for the

environment

Physical and chemical hazards:

-Fire or explosion:

Combustible paste.

Burning and thermal decomposition may form toxic by

products

Classification of the product:

According to European regulations, this product

supplied as a bulk liquid is classified as:

Xi- IRRITANT Xn- HARMFUL

Further information:

In a usual writing situation, quantities of ink laid down or vapors emitted by the pen are normally too small to occasion significant exposure and cause adverse effects

on the user's health.

#### 4 FIRST AID MEASURES

Inhalation:

Move the affected person away from the

contaminated area and into the fresh air

Skin contact: Eye contact:

Immediately wash and rinse with plenty of water Rinse immediately and thoroughly, pulling the

eyelids well away from the eye (15 min. minimum) Always refer to an eye specialist, even if there are

no immediate symptoms.

Ingestion:

Never attempt to induce vomiting

Call a doctor immediately

#### 5 FIRE FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO2)

Foam **Powders** 

Not suitable extinguishing media: None to our knowledge. If there is a fire close by,

using suitable extinguishing agents

Specific hazards:

During combustion:

Toxic Vapors may be released if product is heated to

dryness.

Specific fire fighting methods:

Do not attempt to fight the fire without suitable

protective equipment may intervene

Protection of fire-fighters:

Self-contained breathing apparatus

Complete protective clothing

#### 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes

Environmental precautions:

Methods for cleaning up:

Do not discharge into drains and rivers

-Neutralization: Absorb spillage with:

- inert absorbent material

- earth or sand

-Cleaning/decontamination: Wash non-recoverable remainder with large

amounts of water

-Disposal: Dispose of contaminated materials in accordance

with current regulations

### 7 HANDLING AND STORAGE

**HANDLING** 

Technical measures: Vapour extraction at source

Material and equipment suitable for use with

Strongly colored thick paste inks.

Precautions: Avoid any direct contact with the product

Work in a well-ventilated area

Smoking is forbidden

**STORAGE** 

Technical measures: The floor of the depot must be impermeable, non-

combustible and designed to form a basin, in order

that stored liquids should not, under any

circumstances, be released outside

Storage conditions:

-Recommended: Store:

in a cool, well-ventilated areathe container tightly closedaway from any source of ignition

Incompatible materials:

Packaging materials:

Strong oxidizing agents

- Not suitable: Can cause some metals to rust

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure good ventilation of the work station

Occupational exposure limits:

- France: 2-phenoxy ethanol

Personal protective equipment:

- Respiratory protection: not normally required

- Hand protection: Impermeable protective gloves

Eye protection: Safety spectaclesSkin and body protection: Suitable clothing

Collective emergency equipment: Eye fountain

Safety shower

Hygiene measures: Do not drink, eat or smoke in the workplace

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Viscous Liquid

Colour: Black

Odour: faint aromatic odor

pH: 6.0-7.0

Flammability characteristics: combustible liquid

- Flash point: 121°C for 2-phenoxy ethanol in this product

- Auto-ignition temperature: unknown Explosive limits in air: unknown

Vapour density (air=1): greater than 1

Solubility:

- In water: not soluble

- In organic solvents: soluble in alcohols

## 10 PHYSICAL AND CHEMICAL PROPERTIES

Stability: Stable at ambient temperature and under normal

conditions of use

Hazardous reactions:

- Conditions to avoid: May ignite on heating to temperatures higher than

flashpoint

- Materials to avoid: - Strong oxidizing agents

- Hazardous decomposition

products: On combustion or on thermal decomposition

(pyrolysis) releases:

Carbon oxides (CO, CO2)

#### 11 TOXICOLOGICAL INFORMATION

Acute toxicity: Vapours may cause drowsiness and dizziness

Acute symptoms: On ingestion:

Nausea Vomiting

Central Nervous System depressant On inhalation: dizziness ,headaches

Local effects: At high concentrations, the vapours can be

irritating to the eyes, nose and throat

Repeated or prolonged contract may cause slight

irritation to the skin

Eye contact:

May cause severe ocular lesions

Further information: Above information is for the bulk ink.

The ink will be contained in a plastic or metal tube

containing 0.5 grams or less which

will limit considerably the

exposure possibilities for the user.

### 12 ECOLOGICAL INFORMATION

Product as is: Avoid discharge of the product as is into the

environment

**ECOTOXICITY:** 

Effects on the aquatic environment: 2-phenoxy ethanol, benzyl alcohol

May cause adverse effects to the aquatic

environment.

## 13 DISPOSAL CONSIDERATIONS

WASTE FROM PRODUCT:

Destruction/Disposal: Dispose of in accordance with relevant local

regulations

CONTAMINATED PACKAGING:

Destruction/disposal:

Destroy at an authorized site

NOTE:

The user's attention is drawn to the possible existence of specific European, national or local

regulations regarding disposal

### 14 TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS:

Not Regulated

## 15 REGULATORY INFORMATION

EC LABELING: Ball Pen Refill: not applicable

Ink:

Mandatory labeling (self-classification) of hazardous preparations: applicable.

Symbols and indications of danger: -

Xi -IRRITANT Xn -HARMFUL

- R phrases: R 22: Harmful if swallowed

R 36: Irritating to eyes

-S phrases: S2 Keep out of reach of children

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice

S 37: Wear suitable gloves (to protect hands

from staining)

S46 If swallowed, seek medical advice

immediately and show this container or label.

## **FURTHER REGULATIONS:**

National prescriptions:

France:

Maladies professionnelles (tableaux (x) n° 84)

concerné

NOTE:

The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the

**MSDS** 

The cited basic community texts are being updated and transcribed in national law Refer to all applicable international, national

and local regulations or provisions

The user's attention is drawn to the possible

existence of additional provisions which

complete these regulations

### 16 OTHER INFORMATION

Restrictions on use:

This product must not be used for other

applications than mentioned in §1

Safety data sheet established by:

Bruce Gindelberger, General Manager

This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product, at the time pf publication. It is given in good faith. The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The mandatory regulations mentioned are only intended to help the user to fulfill his obligations regarding the use of hazardous products.

This listing must not be considered exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

Note: The supplying of a material safety data sheet is not mandatory for manufactured articles which contain dangerous substances or preparations, when these latter's are packaged so that they do not present any danger for the user.



## MATERIAL SAFETY DATA SHEET

JOY RED LHF-34F Date of Issue: Mar.9, 2007 Page:1/4

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name : JOY RED LHF-34F
Product Description : Red liquid and slight odor
Use of the Substance/Preparation : For industrial use only
Supplier : Mikuni Color Ltd.

138-1 Kokubunnji, Mikunino-Cho, Himeji, Japan

**Emergency Telephone No.** : +(81)-792-52-0783

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a preparation.

Hazardous Component(s)

Component(s)	CAS No.	EU No.	%(W/W)	Symbol(s)	R-phrase(s)
Ethylene glycol	107-21-1	203-473-3	19-21	Xn	R22
Ammonia	7664-41-7	215-647-6	<0.5	T, C, N	R10, R23, R34, R50

## 3. HAZARDOUS IDENTIFICATION

EC Classification : HARMFUL

Risk Phrases : R22: Harmful if swallowed.

4. FIRST AID MEASURES

**Inhalation** : Remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Obtain medical attention.

Induce vomiting immedaitely by medical personnel. Never give

anything by mouth to an unconcious person. Obtain medical

attention immediately.

Skin Contact : Remove contaminated clothing. Wash skin with plenty of soap and

water for at least 15 minutes. If symptoms develop, obtain medical

attention.

Eye Contact : Irrigate with eyewash solution or clean water, holding the eyelids

apart, for at least 15 minutes. Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

Specific Hazards : Containers may explode when involved in a fire.

Extinguishing Media : Dry chemical, foam or carbon dioxide may be used.

Unsuitable Extinguishing media : No information available.

Protective Equipment for : Wear full protective clothing and self-contained breathing apparatus

Firefighters complying with an approved standard with full facepiece operated

in the pressure demand or other positive pressure mode.

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## 6. ACCIDENTAL RELEASE MEASURES

Observe all relevant local and international regulations.

**Personal Protection** : Wear appropriate personal protective equipment.

Cleaning up Methods : Remove all sources of ignition. Use non-sparking tools and equipment.

Avoid release to the environment. Absorb spillage with an inert material,

then place in a chemical waste container for later safe disposal.

Earth may be shovelled to contain spillage and to avoid contamination

of sewers and watercources.

## 7. HANDLING AND STORING

Handling : Avoid contact with eyes, skin and clothing. Keep container closed.

Only use in well ventilated areas. Wash thoroughly after handling.

Handling temperature: Below 30 and above 0

Storing : Keep container tightly closed until ready for use. Store in a cool,

dry, well-ventilated place away from acids, and oxidizing materials.

Storing temperature: Below 30 and above 0 .

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures : Provide adequate ventilation. Local exhaust ventilation is recommended.

Hand Protection : Chemical resistant, impervious gloves complying with an approved

standard should be worn at all times when handling chemical products.

Eye Protection : Safety eyewear complying with an approved standard should be used

to avoid exposure to liquid splashes, mists, gases, or dust.

Protective Clothing : Use protective clothing which is chemical resistant to this material.

Safety shoes and boots should also be chemical resistant.

**Occupational Exposure Limits** 

_					
	Component(s)	CAS No.	Type	Value(mg/m³)	Source
	Ethylene glycol	107-21-1	STEL	100mg/m <sup>3</sup> (aerosol)(ceiling)	ACGIH TLV
	Ammonia	7664-41-7	TWA	17mg/m <sup>3</sup>	ACGIH TLV

## 9. PHYSICAL AND CHEMICAL PROPERTIES

: Liquid **Appearance** Color Red Odor : Slight odor **Boiling point** : Not available Melting point : Not available Flash point Not applicable **Explosion limits** : Not available Vapor pressure : Not available

Water solubility : Miscible at any rate

**Auto-ignition temperature** : Not available

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## 10. STABILITY AND REACTIVITY

Stability : Stable at room temperature in closed containers under normal

storage and handling conditions.

Conditions to Avoid : Heat, flames, ignition sources, and incompatibles.

Materials to Avoid : Strong acids, bases, strong oxidizing agents.

**Hazardous Decomposition** : Carbon dioxide and corbon monoxide may form when heated to

**Products** decomposition.

## 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity : LD50: 4,700mg/kg, Rat (as Ethylene glycol)

LD50: 350mg/kg, Rat (as Ammonia)

Ingestion may cause central nervous system depression, vomitting,

headaches, lowered blood pressure, stupor, collapse, and

unconsciousness with convulsions.

Acute Inhalation Toxity : Vapor inhalation may cause nausea, vomitting, dizziness, drowsiness,

pulmonary edema, and central nervous system depression.

Acute Dermal Toxicity : LD50: 9,530mg/kg, Rabbit (as Ethylene glycol)

Prolonged/repeated contact may cause defatting of the skin which

can lead to dermatitis.

**Skin Irritation**: May cause skin irritation. It can be absorbed through skin.

**Eye Irritation** : May cause eye irritation.

**Respiratory Irritation**: May cause respiratory irritation.

Sensitisation: Not availableMutagencity: Not availableCarcinogenicity: Not available

## 12. ECOLOGICAL INFORMATION

**Further Information** : There is no data available for this product.

## 13. DISPOSAL CONSIDERATIONS

Product : Do not dump this material into sewers, on the ground or into any

body of water. Comply with all relevant regulations.

Contact an accredited disposal contractor for the special advice.

## 14. TRANSPORT INFORMATION

Sea Transport

**IMDG** 

UN-No : Not applicable Class : Not applicable

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## 15. REGULATORY INFORMATION

Please refer to any other national measures that may be relevant.

Hazard Symbol(s) : Xn EC Classification : Harmful

Risk Phrases : R22: Harmful if swallowed.

Safety Phrases : S2: Keep out of reach of children.

## 16. OTHER INFORMATION

**Uses and Restrictions** : Use only in industrial manufacturing processes.

Disclaimer : The information in this document is based on our current

knowledge and is intended to describe the product for the

purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific

property of the product.



## Material Safety Data Sheet

According to 91/155 EEC

## 1 Identification of the substance/preparation and of the company/undertaking

- · Product details
- · Trade name: DOCU green / grün
- · Manufacturer/Supplier:

DOKUMENTAL GmbH & Co KG Schreibfarben

Woellnerstraße 26

D-67065 Ludwigshafen

Phone + 49 (0) 6 21 /54 02 - 227

Fax + 49 (0) 6 21 /54 02 394

www. dokumental.de

· Further information obtainable from:

Technical Service, Dr. B. Polzin

Tel.: +49-621-5402322 Mobile +49-1726204412

· Information in case of emergency:

GBK Gefahrgut Büro GmbH, Ingelheim

++49 (0) 6132 / 84463

#### 2 Composition/information on ingredients

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

· Dangerous components:			
122-99-6	2-Phenoxyethanol	🗶 Xn; R 22-36	25-50%
100-51-6	Benzyl alcohol	🗶 Xn; R 20/22	10-25%
107-41-5	2-methylpentane-2,4-diol	Xi; R 36/38	10-25%
90506-69-7	Ethylhexyl phosphoric acid ester.	C; R 34	2,5-10%
	C. I. Solvent Orange 3	🗶 Xn; R 22	<u>≤</u> 2,5%

<sup>·</sup> Additional information: For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

· Hazard description:



Xn Harmful

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

#### 4 First-aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- · 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.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Call for a doctor immediately.

## 5 Fire-fighting measures

- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · Protective equipment: No special measures required.

#### 6 Accidental release measures

- · Person-related safety precautions: Not required.
- · Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

(Contd. on page 2)

According to 91/155 EEC

Trade name: DOCU green / grün

(Contd. of page 1)

#### · Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

### 7 Handling and storage

- · Handling:
- · Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- · Information about fire and explosion protection: No special measures required.
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- $\cdot \ \textbf{Further information about storage conditions:} \ \textit{Keep container tightly sealed}.$

#### 8 Exposure controls/personal protection

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  ${\sf T}$ 

· 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 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 Physical and chemical properties

· General Information

Form: Fluid

Colour: According to product specification

Odour: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 244°C

· Flash point: 121°C

(Contd. on page 3)

#### According to 91/155 EEC

Trade name: DOCU green / grün

		(Contd. of page
· Ignition temperature:	260°C	
· Self-igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	1,0 Vol %	
Upper:	13,0 Vol %	
· Vapour pressure at 20°C:	0,1 hPa	
· Density:	Not determined.	
· Solubility in / Miscibility	with	
water:	Not miscible or difficult to mix.	
· Solvent content:		
Organic solvents:	31,4 %	

### 10 Stability and reactivity

- $\cdot$  Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · Dangerous reactions No dangerous reactions known.
- · Dangerous decomposition products: No dangerous decomposition products known.

### 11 Toxicological information

- · Acute toxicity:
- · LD/LC50 values relevant for classification:

#### 122-99-6 2-Phenoxyethanol

Oral LD50 1980 mg/kg (Ratte)

- · Primary irritant effect:
- $\boldsymbol{\cdot}$  on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

## 12 Ecological information

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

- · Product:
- · 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.

#### 14 Transport information

- · Land transport ADR/RID (cross-border)
- · ADR/RID class:
- · Maritime transport IMDG:
- · TMDG Class:
- · Marine pollutant: No
- · Air transport ICAO-TI and IATA-DGR:
- · ICAO/IATA Class: -
- · Packaging group: Not applicable

EU

According to 91/155 EEC

Trade name: DOCU green / grün

(Contd. of page 3)

### 15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



Xn Harmful

· Hazard-determining components of labelling:

2-Phenoxyethanol

· Risk phrases:

22 Harmful if swallowed.

36/38 Irritating to eyes and skin.

· Safety phrases:

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37 Wear suitable protective clothing and gloves.

60 This material and its container must be disposed of as hazardous waste.

- · National regulations:
- · Technical instructions (air):

Class	Share in %
NK	31,4

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

#### 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.

· \* Data compared to the previous version altered.

EH

### 1 Identification of the substance/preparation and of the company/undertaking

- · Product details
- · Trade name: ECO violet blue N / violett- blau N
- · Application of the substance / the preparation Ball Pen Ink
- · Manufacturer/Supplier:

DOKUMENTAL GmbH & Co KG Schreibfarben

Woellnerstraße 26 D-67065 Ludwigshafen

Phone + 49(0)621/5402321Fax + 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

· Information in case of emergency:

GBK Gefahrgut Büro GmbH ++49 (0) 6132 / 84463 Ingelheim, Deutschland

#### 2 Hazards identification

· Hazard description:





Xn Harmful

N Dangerous for the environment

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the  ${\it EU}$ " in the latest valid version.

R 22 Harmful if swallowed.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

#### 3 Composition/information on ingredients

· Chemical characterization

Mixture of the following substances, containing non-hazardous substances and colouring agents.

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:				
CAS: 122-99-6 EINECS: 204-589-7	2-Phenoxyethanol	Xn, Xi; R 22-36	10-25%	
CAS: 107-41-5 EINECS: 203-489-0	2-methylpentane-2,4-diol	Xi; R 36/38	2,5-10%	
CAS: 110-25-8 EINECS: 203-749-3	Oleoylsarcosinic acid	Xi, N; R 38-41-50/53	2,5-10%	
CAS: 52080-58-7 EINECS: 282-630-8	C. I. Solvent Violet 8	Xn, Xi, N; R 22-41-50/53	2,5-10%	
CAS: 6786-83-0 EINECS: 229-851-8	C. I. Solvent Blue 4	M Xn, N; R 22-50/53	£ 2,5%	

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

## 4 First-aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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.

(Contd. on page 2)

Trade name: ECO violet blue N / violett- blau N

(Contd. of page 1)

- · After eye contact:
- Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Call for a doctor immediately.

#### 5 Fire-fighting measures

- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · Protective equipment: No special measures required.

### 6 Accidental release measures

- · Person-related safety precautions: Not required.
- · Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

· Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

## 7 Handling and storage

- · Handling:
- · Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- · Information about fire and explosion protection: No special measures required.
- · Storage:
- $\cdot$  Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- $\cdot$  Further information about storage conditions: None.

## 8 Exposure controls/personal protection

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

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.

 $\cdot$  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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 3)

Trade name: ECO violet blue N / violett- blau N

(Contd. of page 2)

#### · 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 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

General Information	
Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Important information on protection of	
health and environment, and on safety.	
	Not applicable
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	185°C
Flash point:	93°C
Ignition temperature:	260°C
· Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	1,4 Vol %
Upper:	12,6 Vol %
Vapour pressure at 20°C:	0,1 hPa
Density:	Not determined.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
pH-value at 20°C:	6,3
Viscosity:	
Dynamic at 20°C:	16000 mPas
· Solvent content:	
Organic solvents:	50,4 %
· Solids content:	<u> </u>
· SOIIGS CONTENT:	17,0 %

### 10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · Dangerous reactions No dangerous reactions known.
- $\cdot$  Dangerous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- · Acute toxicity:
- · LD/LC50 values relevant for classification:

110-25-8 Oleoylsarcosinic acid

Oral LD50 9200 mg/kg (Ratte)

52080-58-7 C. I. Solvent Violet 8

Oral LD50 700 mg/kg (Ratte)

(Contd. on page 4)

Trade name: ECO violet blue N / violett- blau N

(Contd. of page 3)

- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: Strong irritant with the danger of severe eye injury.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

### 12 Ecological information

- · Ecotoxical effects:
- · Remark: Toxic for fish
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

#### 13 Disposal considerations

- · Product:
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European	· European waste catalogue		
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS		
08 01 00	wastes from MFSU and removal of paint and varnish		
08 01 13	1 13 sludges from paint or varnish containing organic solvents or other dangerous substances		

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

## 14 Transport information

· Land transport ADR/RID (cross-border)



· ADR/RID class: 9 (M6) Miscellaneous dangerous substances and articles.

Danger code (Kemler): 90
UN-Number: 3082
Packaging group: III
Hazard label 9

· Description of goods: 3082 UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Oleoylsarkosinsäure,

Farbstoff C.I. Solvent Violet 8)

· Maritime transport IMDG:



· IMDG Class: 9
· UN Number: 3082
· Label 9
· Packaging group: III
· Marine pollutant: No

(Contd. on page 5)

Trade name: ECO violet blue N / violett- blau N

(Contd. of page 4

· Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Oleoylsarcosinic acid, C. I. Solvent Violet 8)

· Air transport ICAO-TI and IATA-DGR:



· ICAO/IATA Class: 9
· UN/ID Number: 3082
· Label 9
· Packaging group: III

· Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Oleoylsarcosinic

acid, C. I. Solvent Violet 8)

#### 15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives  $\/$  Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:





Xn Harmful

N Dangerous for the environment

· Hazard-determining components of labelling:

2-Phenoxyethanol

· Risk phrases:

22 Harmful if swallowed.

38 Irritating to skin.

41 Risk of serious damage to eyes.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Safety phrases:

2 Keep out of the reach of children.

In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

29/56 Do not empty into drains, dispose of this material and its container at hazardous or

special waste collection point.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	50-100

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

#### 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.

 $\cdot$  \* Data compared to the previous version altered.