



# Material Safety Data Sheet

## Epson T089240 Cyan

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill Epson T089240 CY reman cartridge

Supplier: Supplies Team

Address: Sheffield Airport Business Park, Europa Link, Sheffield, S9 1 XU

Information Phone: 0114 256 6000

### 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No1272/2008



GHS07

Eye Irrit 2A H319 Causes serious eye irritation

Skin Sens 1 H317 May cause an allergic skin reaction

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

##### Information concerning particular hazards for humans and environment:

The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for the preparations of the EU" in the latest valid version

##### Classification system:

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

#### Label elements

##### Labelling according to EU regulations:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

Observe the general safety regulations when handling chemicals.

##### Special labelling of certain preparations:

Safety data sheet available for professional user on request.

##### Other hazards

##### Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	Cas-No	Content	Classification	CLP Classification
2-(2-butoxyethoxy) ethanol	112-34-5	10-25%	Xi R36	Eye Irrit 2, H319
Polyethanol glycol	25322-68-3	5-10%		
2-pyrrolidone	616-45-5	2.5-5%	Xi R36	Eye Irrit 2, H319
Di(tetramethylammonium)	12222-04-7	1-2.5%	Xn R22-48/22 N R51/53	STOT RE 2, H373 Acute Tox 4, H302 Skin Irrit 2, H315 Skin Sens 1, H317



#### 4. FIRST AID MEASURES

Description of first aid measures

General information:

In all cases of doubt, when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: supply fresh air.

Skin contact: Do not use solvents or thinners. Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothing.

Eye contact: flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

Swallowing: keep at rest. Do not induce vomiting; immediately call for medical help.

Information for doctor: no further relevant information available

Indication of any immediate medical attention and special treatment needed: no further relevant information available.

#### 5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Extinguishing media: CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing agents: water with full jet.

Special hazards arising from the substance or mixture: formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters:

Protective equipment: mount respiratory protective device.

Additional information: collect contaminated firefighting water separately. It must not enter the sewage system.

Cool endangered receptacles with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation,

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

Methods and material for containment and cleaning up: Absorb with liquid binding material (sand, diatomite, sawdust).

Send for recovery or disposal in suitable containers.

Dispose contaminated material as waste according to item 13.

Avoid use of solvents.

#### 7. HANDLING AND STORAGE

Handling:

Precautions for safe handling: no special precautions are necessary if used correctly.

Information about protection against explosions and fires: no special measures required.

Storage:

Requirements to be met by storerooms and containers:

Store in a cool location.

Ideal storage temperature: 50-90 °F

Use only containers specifically designed for this product.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed containers.

Protect from heat and direct sunlight.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

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

PEL- Long-term value: 67.5\* mg/m<sup>3</sup>, 10\*ppm

\*inhalable fraction and vapour

25322-68-3 Polyethylene glycol

WEEL Long term value: 10mg/ m<sup>3</sup>  
(H); MW>200

Exposure controls

Personal protective equipment:

General protective and hygiene measures:

The usual precautionary measures for handling chemicals should be followed.

Avoid close or long term contact with the skin.

Clean skin thoroughly immediately after handling the product.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Breathing equipment: Not required

Protection of hands: Protective gloves

Eye protection: Safety glasses

Body protection: Protective work clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information

Appearance:

Form/State: Fluid

Colour: Cyan

Odour: Characteristic

Solubility in water: Miscible

pH value at 20°C: 8.5

Change in condition

Melting point/melting range: undetermined

Boiling point/boiling range: >100 °C

Flash point: >95 °C

Ignition temperature: >200 °C

Danger of explosion: product does not present an explosion hazard.

Explosion limits: Lower: not applicable - Upper: not applicable

Density at 20 °C: 1 g/cm<sup>3</sup>

Viscosity at 20 °C: 2mPas

## 10. STABILITY AND REACTIVITY

Chemical stability:

Thermal decomposition/conditions to be avoided: Stable under recommended storage and handling conditions.

Possibility of hazardous reactions: no dangerous reactions known if used according to specifications.

Conditions to avoid: no further relevant information available.

Incompatible materials: Strong oxidizers

Hazardous decomposition products: no dangerous decomposition products known.



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### 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Sensitisation: sensitizing possible through skin contact.

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

General notes:

There is no experimentally determined data available on the preparation itself.

Splashes in the eyes may cause irritation but no permanent harm.

### 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: no further relevant information available

Persistence and degradability: no further relevant information available

Behavior in environmental systems:

Bio accumulative potential: no further relevant information available

Mobility in soil: no further relevant information available

Additional ecological information:

General notes:

At present there are no ecotoxicological assessments.

Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

Other adverse effects: no further relevant information available.

### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation: waste material must be disposed of in accordance with local regulations.

Uncleansed packaging:

Recommendations: empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

### 14. TRANSPORT INFORMATION

UN- number:

ADR, ADN, IMDG, IATA: None

UN proper shipping name:

ADR, ADN, IMDG, IATA: None

Transport hazard class:

ADR, ADN, IMDG, IATA: None

Packing group:

ADR, IMDG, IATA: None

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

UN "Model Regulation":



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### 15. REGULATORY INFORMATION

Special labeling of certain preparations:

Safety data sheet available for professional user on request.

Chemical safety assessment: A chemical safety assessment has not been carried out.

### 16. OTHER INFORMATION

Relevant Phrases:

H302 Harmful if swallowed

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

H373 May cause damage to organs through prolonged or repeated exposure.

R22 Harmful if swallowed

R36 Irritating to eyes

R38 Irritating to skin

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed

R50 Very toxic to aquatic organisms

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product as contained within an inkjet cartridge and used according to normal usage, doesn't present environmental or health risks. The cartridge should be treated in such a way so as no ink spills into the environment without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of this product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with.

The information contained herein is for health and safety guidance only and does not constitute a specification. It is, to the best of our knowledge and belief, accurate. However since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the end user to comply with all applicable laws and regulations.

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