

MATERIAL SAFETY DATA SHEET

acc to USA OSHA 29CFR1910.1200



Westar Systems LLC
1210 W High Point lane
Colorado Springs, CO 80904
719-260-9777

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Reviewed on 1/22/03

1 Identification of substance

Product details

Article number: 120011 - Sublimation Ink - Cyan

Intended use: Ink-jet ink for transfer printing

Supplier:

Westar Systems LLC
1210 W High Point lane
Colorado Springs, CO 80904
719-260-9777

Information department: Richard Brenner/Section Safety & Environment

2 Composition/Data on components

Hazardous components per USA OSHA 29CFR1910.1200:

56-81-5 glycerol

10-25%

3 Hazards identification

Hazard description: Irritant

Information pertaining to particular dangers for man and environment:

The product is considered an eye irritant per OSHA.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4)



Health = 1

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	1
REACTIVITY	0

Health = 1

Fire = 1

Reactivity = 0

Personal Protective Equipment = C

USA

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4 First aid measures

General information:

No special measures required.

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

After inhalation:

No adverse effect anticipated by this route of exposure. If symptoms show up, remove to fresh air.

After skin contact:

Remove contaminated clothing.

Immediately wash with water and soap and rinse thoroughly.

Do not use solvents or thinners.

After eye contact:

Flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

After swallowing:

Keep at rest.

Do not induce vomiting; immediately call for medical help.

5 Fire fighting measures

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing agents: Water with full jet

Special hazards caused by the material, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

Protective equipment: Mount respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Person-related safety precautions: Ensure adequate ventilation

Measures for environmental protection:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting:

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:

Information for safe handling: No special measures required.

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.

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8 Exposure controls and personal protection

Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace:

56-81-5 glycerol

PEL	15*; 5** mg/m ³ *Total dust **Respirable fraction
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Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Not required.

Protection of hands:



Protective gloves

Eye protection:



Safety glasses

Body protection: Protective work clothing

9 Physical and chemical properties

General Information

Physical form:	Liquid
Color:	Cyan
Odor:	Weak

Change in condition

Melting point/Melting range: Not applicable

Boiling point/Boiling range: 100°C (212°F)

Flash point: > 100°C (> 212°F)

Ignition temperature: >350 °C (>662 °F)

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

Explosion limits:

Lower: Not applicable

Upper: Not applicable

Vapor pressure at 20°C (68°F): 23 hPa (17 mm Hg)

Density at 20°C (68°F): 1.05 g/cm³

Solubility in / Miscibility with

Water: Miscible

PH-value at 20°C (68°F): 8

Viscosity:

Viscosity at 20°C (68°F): 2 mPas

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10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

Stable under recommended storage and handling conditions.

Materials to be avoided: Strong oxidizers.

Dangerous reactions No dangerous reactions known if used according to specifications.

Dangerous products of decomposition:

In case of fire, carbon and nitrogen oxides are the main combustion gases.

11 Toxicological information

General notes:

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

The product is considered to be an eye irritant.

12 Ecological information

General notes:

At present there are no ecotoxicological assessments.

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

13 Disposal considerations

Product:

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

Uncleaned packagings:

Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

DOT regulations:

Hazard class: -

Land transport ADR/RID (cross-border):

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

15 Regulations

SARA

Section 355 (Extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All components are included in the TSCA inventory and/or comply with TSCA regulations.

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California Proposition 65

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity:

None of the ingredients are listed.

Carcinogenicity categories

OSHA (Occupational Safety & Health Administration)

The product do not contain any carcinogenic substances according to OSHA criterias.

Product related hazard informations:

Observe the general safety regulations when handling chemicals.

The product is considered to be an eye irritant.

The product has been classified and marked in accordance with national laws.

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.