1. Product and Company Identification

Use: Colorants for the paper industry

Company: BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Chemical family: triphenylmethane dye

2. Hazards Identification

Emergency overview

WARNING:
CORROSIVE LIQUID.
May cause sensitization by skin contact.
Harmful by inhalation, in contact with skin and if swallowed.
Causes burns.
Use with local exhaust ventilation.
Wear protective clothing.
Wear full face shield if splashing hazard exists.

State of matter: liquid
State of matter: liquid
Colour: violet
Odour: of acetic acid

Potential health effects

Primary routes of exposure:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-19-7</td>
<td>&gt;= 25.0 - &lt;= 35.0 %</td>
<td>Acetic acid</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>&gt;= 10.0 - &lt;= 20.0 %</td>
<td>Water</td>
</tr>
<tr>
<td></td>
<td>&gt;= 1.0 - &lt;= 10.0 %</td>
<td>TRADE SECRET: 489909-5011-P-CP, 489909-5017-P-CP</td>
</tr>
</tbody>
</table>

TRADE SECRET: 489909-5011-P-CP, 489909-5017-P-CP
4. First-Aid Measures

General advice:
Remove contaminated clothing.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

5. Fire-Fighting Measures

Flash point: > 100 °C (DIN 51758)
Autoignition: approx. 490 °C (DIN 51794)
Self-ignition temperature: not self-igniting

Suitable extinguishing media:
water spray, foam, dry powder

Hazards during fire-fighting:
No particular hazards known.

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Environmental precautions:
This product is regulated by CERCLA ("Superfund").

Cleanup:
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Handling
General advice:
Ensure thorough ventilation of stores and work areas.
8. Exposure Controls and Personal Protection

**Advice on system design:**
Provide local exhaust ventilation to maintain recommended P.E.L.

**Personal protective equipment**

**Respiratory protection:**
Wear respiratory protection if ventilation is inadequate.

**Hand protection:**
Chemical resistant protective gloves

**Eye protection:**
Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

**Body protection:**
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures:**
Eye wash fountains and safety showers must be easily accessible. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
<td>liquid</td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
<td>of acetic acid</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>violet</td>
</tr>
<tr>
<td>pH value:</td>
<td>approx. 3.5 - 3.8</td>
</tr>
<tr>
<td></td>
<td>approx. 4</td>
</tr>
<tr>
<td>solidification temperature:</td>
<td>approx. &lt; -5 °C</td>
</tr>
<tr>
<td>Boiling point:</td>
<td>approx. 100 °C</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>approx. 100 °C</td>
</tr>
<tr>
<td>Density:</td>
<td>1.08 g/cm³</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>miscible</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

**Conditions to avoid:**
Avoid extreme heat.

**Substances to avoid:**
No substances known that should be avoided.
Hazardous reactions:
The product is chemically stable.

Decomposition products:
Hazardous decomposition products: nitrogen oxides
carbon monoxide, carbon dioxide

Corrosion to metals:
Corrosive effect on metals.

Oxidizing properties:
Not an oxidizer.

11. Toxicological information

Acute toxicity

Oral:
Type of value: LD50
Species: rat
Value: 950 mg/kg

Irritation / corrosion

Skin:
Species: rabbit
Result: Irritating.

Eye:
Species: rabbit
Result: Irritant.
Method: BASF-Test

Carcinogenicity

Information on: Michler’s Keton
In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was observed.

Other Information:

Information on: C.I. Basic Violet 3, acetate
In long-term feeding tests, an increased incidence of tumours in various target organs was observed in rats and mice.

12. Ecological Information

Fish

Acute:
Poecilia reticulata/LC50 (96 h): 1 - 10 mg/l

Microorganisms

Toxicity to microorganisms:
EC50: 10 - 100 mg/l
Degradability / Persistence

Biological / Abiological Degradation

Test method: Static test
Method of analysis: colour reduction
Degree of elimination: 50 - 100%
Evaluation: Colourants are by their nature very stable and are therefore not readily biodegradable under conditions prevailing in surface water or in effluent treatment plants. The solvents are biodegradable.

13. Disposal considerations

Waste disposal of substance:
Do not discharge substance/product into sewer system. Incinerate or dispose of in a licensed facility.

Container disposal:
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: None

14. Transport Information

Land transport
USDOT

Hazard class: 8
Packing group: II
ID number: UN 2801
Hazard label: 8, EHSM

Sea transport
IMDG

Hazard class: 8
Packing group: II
ID number: UN 2801
Hazard label: 8, EHSM
Marine pollutant: YES

Air transport
IATA/ICAO

Hazard class: 8
Packing group: II
ID number: UN 2801
Hazard label: 8
15. Regulatory Information

Federal Regulations

Registration status:  
Chemical  TSCA, US released / listed

OSHA hazard category:  Chronic target organ effects reported; ACGIH TLV established

EPCRA 311/312 (Hazard categories):  Chronic;

<table>
<thead>
<tr>
<th>CERCLA RQ</th>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic</td>
<td>64-19-7</td>
<td>Acetic acid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reportable Quantity for release: 5,000 lb</td>
</tr>
</tbody>
</table>

State regulations

<table>
<thead>
<tr>
<th>State RTK</th>
<th>CAS Number</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA, NJ, PA</td>
<td>64-19-7</td>
<td>Acetic acid</td>
</tr>
<tr>
<td>NJ, PA, MA</td>
<td>TRADE SECRET: 489909-5011-CP, 489909-5017-CP, 489909-5082-P-CP</td>
<td></td>
</tr>
<tr>
<td>PA</td>
<td>25265-71-8</td>
<td>dipropylene glycol</td>
</tr>
<tr>
<td>NJ, PA, MA</td>
<td>489909-5011-CP</td>
<td></td>
</tr>
<tr>
<td>MA, NJ, PA</td>
<td>489909-5082-P-CP, 489909-5017-CP</td>
<td></td>
</tr>
<tr>
<td>NJ, PA, MA</td>
<td>90-94-8</td>
<td>4,4'-bis(dimethylamino)benzophenone</td>
</tr>
</tbody>
</table>

CA Prop. 65:  THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. Other Information

NFPA Hazard codes:  
Health : 2       Fire: 0       Reactivity: 0       Special:

HMIS III rating  
Health: 2a       Flammability: 1       Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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