

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Black Eagle CS C153

Material number: 61112000 [054.980. 300]

Revision date: 10/12/2021
Version: 5.0

Language: en-US

Date of print: 10/13/2021
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1. Product and company identification

Product identifier

Trade name: Black Eagle CS

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

General use: Ink for industrial coding systems.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name: PANNIER CORPORATION
Street/POB-No.: 207 Sandusky Street
Postal Code, city: Pittsburgh, PA 15212-5823, USA
E-mail: Sales@pannier.com
Telephone: (412) 323-4900

Emergency phone number

**Infotrac 24-Hour Emergency
Response Number:
1-800-535-5053**

2. Hazards identification

Emergency overview

Appearance: Physical state at 68°F and 101.3 kPa: liquid
Color: Black
Odor: Weak
Classification: This material is classified as not hazardous.

Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified

Special danger of slipping by leaking/spilling product.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Aqueous solution of pigments with supplemental additives

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Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 6920-22-5	DL-hexane-1,2-diol	< 10%	Eye Irritation - Category 2A.

Additional information: Contains: Carbon.
The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. If you feel unwell, seek medical advice.

Following skin contact: Thoroughly wash skin with soap and water. Take off contaminated clothing and wash it before reuse.
In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth.
Never give anything by mouth to an unconscious person.
Seek medical attention.

Most important symptoms/effects, acute and delayed

No data available

Information to physician

Treat symptomatically.

5. Firefighting measures

Flash point/flash point range: No data available

Auto-ignition temperature: Not self-igniting

Suitable extinguishing media: Extinguishing is to be in accordance with the surrounding fire. Water spray jet, foam, dry chemical powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons: Full water jet

Specific hazards arising from the chemical

Fires in the immediate vicinity may cause the development of dangerous vapors.
In the event of a fire, the following may be produced when the water evaporates: carbon black, nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Cool exposed containers with water spray. Move undamaged containers from immediate hazard area if it can be done safely. Do not allow water used to extinguish fire to enter drains, ground or waterways.

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6. Accidental release measures

Personal precautions:	Provide adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Wear appropriate protective equipment. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.
Environmental precautions:	Do not allow to penetrate into soil, waterbodies or drains.
Methods for clean-up:	Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Final cleaning.
Additional information:	Special danger of slipping by leaking/spilling product.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Do not breathe vapors or spray mist. Wear appropriate protective equipment. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse. When using do not eat, drink or smoke.

Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.
Keep away from heat. Protect from frost and exposure to sun.
Storage temperature: 59°F up to 95°F.

Hints on joint storage:

Keep away from food and drinks.
Do not store together with: Strong oxidizing agents, acids.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
1333-86-4	Carbon	USA: ACGIH: TWA USA: NIOSH: TWA	3 mg/m ³ (inhalable fraction) 0.1 mg PAHs/m ³ (Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs))
		USA: NIOSH: TWA USA: OSHA: TWA	3.5 mg/m ³ 3.5 mg/m ³

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.
See also information in chapter 7, section storage.

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Personal protection equipment (PPE)

- Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection: Wear suitable protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. When vapors form, use respiratory protection.
The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.
- General hygiene considerations: Do not breathe vapors or spray mist. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. When using do not eat, drink or smoke.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

- Appearance: Physical state at 68°F and 101.3 kPa: liquid
Color: Black
- Odor: Weak
- Odor threshold: No data available
- pH: at 77°F: 8.3 - 9.3
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point/flash point range: No data available
- Evaporation rate: No data available
- Flammability: No data available
- Explosion limits: No data available
- Vapor pressure: No data available
- Vapor density: No data available
- Density: at 77°F: 1.04 g/mL
- Water solubility: Soluble
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: Not self-igniting
- Thermal decomposition: No data available
- Viscosity, dynamic: at 77°F: 1.94 - 2.54 mPa*s
- Explosive properties: Product is not explosive.
- Oxidizing characteristics: Not oxidizing

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10. Stability and reactivity

Reactivity:	Refer to section 10.3
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No hazardous reaction when handled and stored according to provisions.
Conditions to avoid:	Keep away from heat. Protect from frost and exposure to sun.
Incompatible materials:	Strong oxidizing agents, acids
Hazardous decomposition products:	No hazardous decomposition products when regulations for storage and handling are observed.
Thermal decomposition:	No data available

11. Toxicological information

Toxicological tests

Toxicological effects:	Acute toxicity (oral): Lack of data. Acute toxicity (dermal): Lack of data. Acute toxicity (inhalative): Lack of data. Skin corrosion/irritation: Lack of data. Serious eye damage/irritation: Lack of data. sensitization to the respiratory tract: Lack of data. Skin sensitization: Lack of data. Germ cell mutagenicity/Genotoxicity: Lack of data. Carcinogenicity: Lack of data. Reproductive toxicity: Lack of data. Effects on or via lactation: Lack of data. Specific target organ toxicity (single exposure): Lack of data. Specific target organ toxicity (repeated exposure): Lack of data. Aspiration hazard: Lack of data.
Other information:	Information about DL-hexane-1,2-diol: LD50 Rat, oral: 6,166 mg/kg (OECD 401) LD50 Rat, dermal: > 2,000 mg/kg (OECD 402) LC50 Rat, inhalative (aerosol): > 7.015 mg/L/4h (OECD 403) Information about Carbon: LD50 Rat, oral: > 8,000 mg/kg LD50 Rabbit, dermal: > 3,000 mg/kg Chronic toxicity carcinogenic effect: Information about Carbon: IARC Rating: Group 2B OSHA Carcinogen: not listed NTP Rating: not listed

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12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

14. Transport information

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not restricted

Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable

Packing group

ADR/RID, IMDG, IATA-DGR: not applicable

Environmental hazards

Marine pollutant: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

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Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

DL-hexane-1,2-diol: TSCA Inventory: listed
TSCA HPVC: not listed

Carbon: TSCA Inventory: listed; UVCB; EPA flags XU
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: not listed
NIOSH Recommendations:
Occupational Health Guideline: 0102

National regulations - U.S. State Regulations

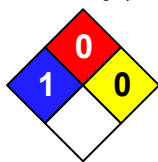
Carbon: California Proposition 65: cancer

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

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Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL: Occupational Exposure Limit Value
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
MFSU: Manufacture, formulation, supply and use
IATA: International Air Transport Association
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organization for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bio accumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorization and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TLV: Threshold Limit Value
vPvB: Very persistent and very bio accumulative
WEL: Workplace Exposure Limit

Reason of change: Changes in section 3: Composition/information on ingredients
Changes in section 9: Physical and chemical properties
General revision

Date of first version: 7/14/2015

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.