

Safety Data Sheets

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Part number Number/Product Name: 02460/Custom Phenanthrene Standard

Pure substance/mixture: Mixture

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

Intended use: PAH sensor standard solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier: Green Instruments A/S

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2. Hazard(s) Identification

Classification of the substance/
mixture: Mixture

Classification according to Regulation
(EC) No. 1272/2008: This mixture is classified as not hazardous according to regulation
EC 1272/2008

Symbol(s): Not dangerous goods

Label elements:

Product identifier

Hazard symbol: None

Signal word: None

Hazard statement: Not available

Precautionary statement: Not available

Other hazards: No information available

3. Composition/information on ingredients

Mixtures

<i>Chemical name</i>	<i>CAS No.</i>	<i>EC No.</i>	<i>Weight %</i>	<i>CLP Classification Reg. EC no. 1272/2008</i>
Water	7732-18-5	231-791-2	99.899920	No information available
Methanol	67-56-1	200-659-6	0.100000	No information available

4. First-aid measures

General note: Use first aid treatment according to the nature of the injury. Show this safety data sheet to the doctor in attendance.

Inhalation:	This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. Remove to fresh air. Call a physician if symptoms develop or persist.
Skin contact:	Wash with soap and water.
Eye contact:	Non expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
Ingestion:	No hazard in normal industrial use. Do not induce vomiting. Get medical attention if symptoms occur.
Protection of First-aiders:	Use personal protective equipment. See section 8 for more detail.
Most important symptoms and effects, both acute and delayed:	No information available
Indication of any immediate medical attention and special treatment needed:	Treat symptomatically

5. Fire-fighting measures

Suitable extinguishing media:	Use extinguishing agent suitable for type of surrounding fire. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media:	Not available.
Specific hazards arising from the chemical:	Not available.
Advice for firefighters:	Wear suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	No adverse health affects expected from the clean-up of spilled material.
Environmental precautions:	For waste disposal, see section 13 of the SDS. No special environmental precautions required.
Methods and materials for containment and cleaning up:	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.
Reference to other sections:	Refer to protective measures listed in sections 7 and 8. See section 8 for information on appropriate personal protective equipment. See section 12 for additional Ecological information. See section 13 for additional waste treatment information

7. Handling and storage

Precautions for safe handling:	No special precautions required.
Conditions for safe storage, including any incompatibilities:	No special handling instructions due to toxicity.
Risk Management Method(s):	The information required is contained in this Safety Data Sheet.

8. Exposure controls/personal protection

Control parameters:

Chemical name	CAS No.	EC No.	ACGIH STEL	ACGIH TLV-TWA
Water	7732-18-5	231-791-2	-	-
Methanol	67-56-1	200-659-6	250 ppm STEL	200 ppm TWA

Exposure controls
Engineering Measures: Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses when handling this product.

Skin and body protection

Hand protection: Wear protective gloves when handling this product

Other: Normal work clothing (long sleeved shirts and long pants) is recommended. Change contaminated clothing.

Respiratory protection: No personal respiratory protective equipment normally required

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid
Appearance: Not available
Form: Aqueous solution
Color: Not available
Odor: Odorless
Odor threshold: No data available
pH: No data available

Property

Values

Melting point/freezing point: 32°F (0°C) estimated
Flash point: Not available
Evaporation rate: Not available
Flammability (solid, gas): Not available
Upper/lower flammability or explosive limits
Flammability limit – lower (%): Not available
Flammability limit – upper (%): Not available
Explosive limit – lower (%): Not available
Explosive limit – upper (%): Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: Not available
Solubility(ies)
Solubility (water): Not determined
Partition coefficient:
(n-octanol/water) Not available

Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Specific gravity:	0.99821 g/cm ³ at 20°C

10. Stability and reactivity

Reactivity:	Not available
Chemical stability:	Material is stable under normal conditions
Explosion Data	
Sensitivity to Mechanical Impact:	None
Sensitivity to Static Discharge:	None
Possibility of hazardous reactions:	Not available
Conditions to avoid:	No available
Incompatible materials:	None known
Hazardous decomposition products:	None known

11. Toxicological information

Information on toxicological effects

Acute Toxicity

Product information

Inhalation:	No hazard in normal industrial use
Skin contact:	No hazard in normal industrial use
Eye contact:	No hazard in normal industrial use
Ingestion Irritation/Toxicity:	No hazard in normal industrial use
Symptoms related to the physical, chemical and toxicological characteristics:	Not available
Skin corrosion/irritation:	Unlikely to cause irritation even on repeated contact
Serious eye damage/eye irritation:	No information available
Respiratory or skin sensitization	
Respiratory sensitization:	No information available
Skin sensitization:	No information available
Germ cell mutagenicity:	No information available
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
Reproductive toxicity:	Contain a known human reproductive and/or developmental hazard.
Specific target organ toxicity – single exposure:	No information available
Specific target organ toxicity – repeated exposure:	No information available
Aspiration hazard:	No information available
Chronic effects:	Prolonged inhalation may be harmful

12. Ecological information

General:	This material is not expected to be harmful to the ecology
Ecotoxicity:	No information available
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available
Mobility in soil:	No information available
Other adverse effects:	No information available
Endocrine Disruptor Information:	No information available

13. Disposal considerations

Disposal instructions:	Dispose in accordance with all applicable regulations
Hazardous waste code:	Not regulated
Waste from residues/unused products:	Dispose of in accordance with local regulations.
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

IMDG	Not regulated
IATA	Not regulated
ICAO	Not regulated
RID	Not regulated
ARD	Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Take note of Directive 98/24/EC on the protection of the health and safety of worker from the risks related to chemical agents at work.

International Inventories

<i>Inventory name</i>	<i>On inventory (yes/no)*</i>
Australian Inventory of Chemical Substances (AICS)	Yes
Canadian Domestic Substances List (CANINV/ DSL)	Yes
Canadian Non-Domestic Substances List (CANINV/NDSL)	Yes
Chinese Inventory of Existing Chemical Substances (IECSC)	Yes
European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
European List of Notified Chemical Substances (ELINCS)	Yes
Japan Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea Existing Chemicals List (ECL)	Yes
Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States and Puerto Rico Toxic Substances Control Act Inventory (USINV/TSCA)	Yes

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Chemical safety assessment

A chemical safety assessment according to regulation EC No. 1907/2006 is not required.

16. Other information

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Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Because many factors may effect processing or application/use, Green Instruments recommends you an assessment to determine the suitability of a product for your particular purpose prior to use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sales. Further, the descriptions, data and information given are assumed. All such being given and accepted at your risk.

End of Safety Data Sheet.