



[Eco-Blue]

: Yamato Protec Corporation
Reference number: SDS No.045-2
Creation date: August 27, 2007
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Safety Data Sheet (SDS)

1. Product & Company Identification

Product Name

Eco-Blue

Manufacturer : Yamato Protec Corporation

Address : 5-17-2 Shirokanedai, Minato-ku, Tokyo

Phone Number : 0570-080100 (Navi Dial)

Department : Technical Support

Suggested Use & Limitations on Use : Test liquid for discharging inspection of foam fire extinguishing equipment

2. Hazards Identification

GHS Classification

Items not listed below are “Not classified”, “Unclassifiable”

Representation or Symbol : Not classified

Alert Level : Not classified

Hazard/Toxicity Information : None in particular

Precautionary statement

Safety Precautions

Do not handle until all safety precautions have been read and understood.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

First Aid Measures

IF IN EYES

Rinse cautiously with water for several minutes.

IF SWALLOWED

Call a POISON CENTER/ doctor if you feel unwell.

Storage

Avoid high humidity, keep the product within the operating temperature range, and if possible, under lock indoors.

Disposal

The contents and the container should be disposed of by waste disposal contractors licensed by the Governor.

This SDS has been prepared based on the latest information available. However, we cannot guarantee the accuracy of the information and data contained herein, such as descriptions of hazards and toxicity. The latest rules, ordinances, laws and regulations of the national and local governments and organizations should be looked into and should apply.

3. Composition/Information on Ingredients

Single Component or Mixture : Mixture
Chemical Name or Common Name : Test liquid for discharging inspection of foam fire
extinguishing equipment

Chemical Name or Common Name	CAS Number	Official Gazette Reference Code	Concentration or Concentration Range
Blue coloring agent (edible)	Available	Available	0.01% or less
Water	7732-18-5	Available	90% or above

4. First Aid Measures

IF INHALED

Call a POISON CENTER/ doctor if you feel unwell.

IF ON SKIN

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes.

IF SWALLOWED

Call a POISON CENTER/ doctor if you feel unwell.

5. Fire Fighting Measures

Fire Extinguishing Agent : Not applicable due to non-combustibility
Fire Extinguishing Agent Not To Be Used : Not applicable
Special Hazards : No data available
Special Fire Fighting Procedures : Not applicable
Protection of Fire Fighters : Not applicable

6. Leakage Measures

Personal Precautions, Protective Equipment and Emergency Measures

The workers should wear suitable protective equipment (See “8. Exposure Prevention and Protection Measures”) and avoid eye or skin contact and inhalation.

Environmental Precautions

None in particular

Collection, neutralization, containment, and cleanup procedures and equipment

None in particular

Prevention of Secondary hazards

None in particular

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7. Handling and Storage Instructions

Handling

- | | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical Measures | : Implement measures stated in “8. Exposure Prevention and Protection Measures” and wear suitable protective equipment such as protective glasses and gloves. |
| Local Exhaust and Whole Ventilation | : Implement local exhaust and whole ventilation stated in “8. Exposure Prevention and Protection Measures.” |
| Safe Handling Instructions | : Avoid contact, inhalation or swallowing.
Wash hands thoroughly after handling. |

Storage

- | | |
|---------------------------------|-------------------------------------------|
| Technical Measures | : None in particular |
| Incompatible Hazardous Material | : Not applicable |
| Storage Conditions | : Avoid high humidity and store. |
| Container and Packing Material | : Product container and appropriate tank. |

8. Exposure Prevention and Protection Measures

- | | |
|----------------------------------|----------------------------------------------|
| Allowable Concentration | : None in particular |
| Equipment Measures | : None in particular |
| Respiratory Protective Equipment | : None in particular |
| Hand Protection | : Wear protective gloves, etc. if required |
| Eye Protection | : Wear protective glasses, etc. if required |
| Skin and Body Protection | : Wear protective clothing, etc. if required |

9. Physical and Chemical Properties

Physical State	: liquid
Color	: Blue transparent
Odor	: No odor
Melting Point/Freezing Point	: -0 °C
Boiling Point, initial boiling point and Boiling Range	: No data available
Flammability	: Not applicable
Lower and upper explosion limit/ flammability limit	: Not applicable
Flash Point	: None
Autoignition Temperature	: No data available
Decomposition Temperature	: No data available
pH	: 7.0 (20 °C)
Kinematic viscosity (Viscosity)	: 1.0 cSt (20 °C)
Solubility	: Easily soluble in water
Partition coefficient n-octanol/ water (log value)	: No data available
Vapor Pressure	: No data available
Density and/ or relative density (specific gravity)	: 1.00 (20 °C)
Relative vapour density	: No data available
Particle characteristics	: Not applicable

10. Stability and Reactivity

Reactivity	: No reactivity under normal handling conditions
Chemical stability	: Stable under normal handling conditions
Hazardous Reactivity	: No data available
Conditions to Avoid	: No data available
Incompatible Hazardous Materials	: No data available
Hazardous Decomposition Products	: No data available

11. Toxicological Information

Acute Toxicity	
Oral	: Not classified
Demal	: Unclassifiable
Inhalation :Gass	: Unclassifiable
:Vapours	: Unclassifiable
:Dust and Mist	: Unclassifiable
Skin Corrosion/Irritation	: Not classified
Serious Eye Damage/Eye Irritation	: Not classified
Respiratory or Skin Sensitization	: Not classified
Germ-Cell Mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive Toxicity	: Not classified
Specific Target Organ Toxicity (Single exposure):	: Not classified
Specific Target Organ Toxicity (Repeated exposure):	: Not classified
Aspiration Hazard	: Not classified

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12. Environmental Impact Information

Ecotoxicity

Hazardous to the aquatic environment – Acute hazard	: Not classified
Hazardous to the aquatic environment – Long term hazard	: Not classified
Persistence and Decomposability	: No data available
Bioaccumulation	: No data available
Migration in Soil	: No data available
Hazardous to the ozonelayer	: Cannot be classified

Others

Other Environmental Toxicity	BOD	: 2 mg/L (3% water solution)
	COD	: 1 mg/L (3% water solution)

13. Disposal Considerations

Residual Waste

Disposal should be in accordance with applicable laws and local regulations. Discharge should be done after decolorization by treatment such as oxidative decolorization as needed.

Contaminated Containers and Packages

Containers should be properly disposed of in accordance with applicable laws and local regulations. If containers are disposed of, their contents should be completely removed

14. Transport Considerations

International Regulations

United Nations Number	: Not applicable
Product Name (Proper Shipping Name)	: Not applicable
Product Name (Proper Shipping Name in English)	: Not applicable
Class	: Not applicable
Container Class	: Not applicable

National Regulations:

Land Regulatory Information	Follow the provisions of the Fire Service Act
Aeronautical Regulatory Information	Follow the provisions of the Civil Aeronautics Act
Maritime Regulatory Information	Follow the provisions of the Ship Safety Act

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15. Applicable Laws

Industrial Safety and Health Act

Not applicable

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (PRTR Law)

Not applicable

Poisonous and Deleterious Substances Control Act

Not applicable

Fire Service Act

Not applicable as hazardous material

Civil Aeronautics Act

Not applicable

Ship Safety Act

Not applicable

Water Pollution Control Act

Not applicable

Sea Pollution Prevention Act

Not applicable

16. Other Information

This product should be used with the understanding that the use of any chemicals involves unknown potential hazards and toxicity. Hazards and toxicity depend on the environment of use and the storage conditions and period. We suggest that those with knowledge and experience be involved in all stages from use through storage and disposal.

The instructions provided in this document should apply when the product is handled normally. If the product is handled in a special way, proper safety precautions should be taken. Also, it should be used under the responsibility of the user.