

MATERIAL SAFETY DATA SHEET

Review Date: 02/08/2005

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: BLUE GENIE®

MANUFACTURER ADDRESS: ChlorFree, Apartado 36, Liberia, Guanacaste, 5000,
Costa Rica, Central America

TELEPHONE NUMBERS

Health Information: (800) 723-5443

MSDS Assistance Number: (800) 723-5443

SECTION 2 PRODUCT/INGREDIENTS

CAS#	CONCENTRATION	INGREDIENTS
Copper	Proprietary	refined
Zinc	Proprietary	refined
Palladium	Proprietary	refined
Silver	Proprietary	refined
Carbon	Proprietary	refined

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance & Odor: Blue polymer spherical container.

Health Hazards: No known immediate health hazards.

Physical Hazards: No known physical hazards.

NFPA Rating (Health, Fire, Reactivity): 0, 0, 0

Hazard Rating: Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

Inhalation:

No inhalation hazard.

Eye Irritation:

No eye irritation.

Skin Contact:

No skin irritation.

Ingestion:

No ingestion hazard.

Other Health Effects:

None.

Signs and Symptoms:

No irritation.

Aggravated Medical Conditions:

None.

For additional health information, refer to section 11.

SECTION 4 FIRST AID MEASURES

Inhalation: None required.

Skin: None required.

Eye: None required.

Ingestion: None required.

Note to Physician: None

SECTION 5 FIRE FIGHTING MEASURES

Flash Point [Method]: 1500 °F/815 °C [Pensky-Martens Closed Cup]

Extinguishing Media:

Use water stream, water fog, 'alcohol foam', dry chemical or carbon dioxide (CO₂) to extinguish flames.

Fire Fighting Instructions:

Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. This material is non-flammable.

Unusual Fire Hazards: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures:

Polymer outer cover may burn although not readily ignitable.

Spill Management:

Non-toxic.

Reporting:

Product is not toxic and therefore is not subject to CERCLA reporting requirements. Releases to air, land, or water are not reportable under CERCLA (Superfund).

CWA: This product is not defined under Section 311 of EPA's Clean Water Act (CWA).

SECTION 7 HANDLING AND STORAGE

Precautionary Measures:

None required.

Storage:

Do not store in unlabeled containers. Store in a cool, dry place. Keep away from high temperatures.

Container Warnings:

None.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

None.

PERSONAL PROTECTION

None required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Self-contained ionizing device.

Substance Chemical Family: Polymer ABS plastic housing/minerals

Appearance: Blue cylinder

Flash Point: 1500 °F [Pensky-Martens Closed Cup]

Pour Point: none

Specific Gravity: None

Viscosity: None

SECTION 10 REACTIVITY AND STABILITY

Conditions to Avoid:

Avoid open flames.

Materials to Avoid:

None.

Hazardous Decomposition Products:

None.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity: None

Carcinogenicity Classification: None

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:

There is no ecological data available for this product. Outer shell is a polymer which is persistent and does not readily biodegrade. However, it does not bio-accumulate.

SECTION 13 DISPOSAL CONSIDERATIONS

RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal. Recycling to the manufacturer is preferable.

SECTION 14 TRANSPORT INFORMATION

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

International Air Transport Association

Not regulated under IATA rules.

International Maritime Organization Classification
Not regulated under International Maritime Organization rules.

SECTION 15 REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

OSHA Classification:

Product is not subject to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Ozone Depleting Substances (40 CFR 82 Clean Air Act):

This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:

There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312):

Immediate Health: NO Delayed Health: NO Fire: NO Pressure: NO
Reactivity: NO

SARA Toxic Release Inventory (TRI) (313):

There are no components in this product on the SARA 313 list.

Toxic Substances Control Act (TSCA) Status:

None of the components of this material are listed on the EPA/TSCA Inventory of Chemical Substances.

Other Chemical Inventories:

No components of this material are listed on the Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Korean Inventory, Philippines PICCS,

State Regulation

This material is not regulated by California Prop 65, New Jersey Right-to-Know Chemical List or Pennsylvania Right-To-Know Chemical List. However for details on your regulation requirements you should contact the appropriate agency in your state.

SECTION 16 OTHER INFORMATION

Revision#: 1

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Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has been newly reviewed to fully comply with the guidance contained in

the ANSI MSDS standard (ANSI Z400.1-1998). We encourage you to take the opportunity to read the MSDS and review the information contained therein.

SECTION 17 LABEL INFORMATION

No label provided.