Weiss Bonya

Material Safety Data Sheet

1. Gemini® Fluoro Surfactant Solvent Based Paint Additive BH-83C

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration %
Fluorinated Acrylate Copolymer		35
n-Butyl Acetate	123-86-4	65

3. HAZARDS IDENTIFICATION

Potential Health Effects

Skin contact with Butyl Acetate may cause skin irritation with discomfort or rash; or allergic skin rashes. Butyl Acetate has been infrequently associated with skin sensitization in humans. Significant skin permeation, and systemic toxicity, after contact appears unlikely.

Eye contact with Butyl Acetate may cause eye irritation with discomfort, tearing, or blurring of vision.

Inhalation of Butyl Acetate may cause nonspecific discomfort such as nausea, headache, or weakness; or irritation of the upper respiratory passages, with coughing. Based on data from tests with animals higher exposures may lead to abnormal liver function as detected by laboratory tests; or temporary nervous system depression with anaesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness.

Based on related products, inhalation of spray or mist may cause nasal, throat, or lung irritation. Inhalation of large amounts of respirable particles may be toxic to the lungs. Symptoms may be modest initially, followed in hours by severe shortness of breath requiring prompt medical attention.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

4. FIRST AID MEASURES

First Aid

INGESTION
Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by a physician or poison control center.

INHALATION
Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

SKIN CONTACT
In case of contact, wash with water and soap as a precaution.

EYE CONTACT
In case of contact, rinse with plenty of water. If eye irritation persists, consult a specialist.

General advice, when symptoms persist or in all cases of doubt seek medical advice.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : 28 °C (82.4°F)
Method : Closed Cup.
Flammable limits in Air, % by Volume
LEL : 1.7 %
UEL : 7.6 %

Flammable liquid. Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO^2.

Fire Fighting Instructions

Wear self-contained breathing apparatus (SCBA) and full protective equipment. Cool tank/container with water spray.

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6. ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Handling equipment must be grounded to prevent sparking.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

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7. HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors or mist from overheated material. Avoid contact with eyes,skins,clothing.Wash thoroughly after handling. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Avoid circumstances that produce respirable particles unless suitable ventilation and respirator are used.

Handling (Physical Aspects)

Keep away from heat, sparks and flames. Keep container tightly closed. Use of non-sparking and explosion-proof equipment may be necessary depending on type of operation.

Storage

Store in well ventilated place. Keep container closed to prevent contamination.

Freezing will affect physical condition but will not damage.

Thaw and mix before using, keep away from open flames and heated surfaces above 200 deg C (392 deg F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

In the event that the polymer is heated above 200° C (392° F), local ventilation should be used to avoid exposure to fumes.

Personal protective equipment

Respiratory: No personal respiratory protective equipment normally required. In the case of hazardous fumes caused by overheating, wear self-contained breathing apparatus.

Hand:Additional protection: No particular glove type is recommended, but nitrile may used.

Eyes: Chemical safety goggles.

Skin and body protection : No PPE is specified however, avoid contact with skin, eyes, and clothing. Preventive skin protection.

Exposure Guidelines

Applicable Exposure Limits

n-Butyl Acetate

PEL (OSHA) : 150 ppm, 710 mg/m3, 8 Hr. TWA

TLV (ACGIH) : 150 ppm, 8 Hr. TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Color : amber
Density : 0.95~1.1 ,20 °C (68°F)
Flash Point : 28 °C (82.4°F)
Odor : ester like
Water solubility : insoluble
Freezing : 10°C (59°F)

10. STABILITY AND REACTIVITY

Stability

Stable: stable under recommended storage conditions.

Conditions to avoid

Decomposition temperature 200 °C (392°F)

Avoid flames, welding arcs, potential ignition sources, or other high temperature sources which induce thermal decomposition.

Incompatibility with Other Materials

Contact with strong oxidizers, ordinary steel (will corrode), and some plastics may accelerate product decomposition.

Decomposition

Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

Polymerization

Polymerization will no occur.

11.TOXICOLOGICAL INFORMATION

Gemini® Fluoro Surfactant Solvent Based Paint Additive BH-83C

Acute toxicity

Based on available data, the classification criteria are not met.
Skin irritation : slight irritation, rabbit
Eye irritation : slight irritation, rabbit
Sensitisation : Animal test did not cause sensitization by skin contact, guinea pig

Butyl Acetate is a skin and eye irritant, and is untested for animal sensitization. Toxic effects described in animals from single exposures by inhalation include eye and nose irritation, and narcosis. Repeated exposures caused decreased body weight gain, weakness, and slight irritation to eyes and mucous membranes. Long term exposures resulted in degenerative changes in the liver and altered liver enzymes.

Administration of the compound in single doses caused narcosis in rabbits. Repeated ingestion exposures with rats resulted in altered liver enzymes.

No animal test reports are available to define carcinogenic, or reproductive hazards. Tests in animals demonstrate developmental toxicity, but only at maternally toxic dose levels. The compound does not produce genetic damage in bacterial or mammalian cell cultures or animals. It has not been tested for heritable genetic damage.

n-Butyl Acetate
Skin LD50 : > 8,000 mg/kg , rat
Inhalation 4h LC50 : >21mg/l , rat
Oral LD50 : > 8,000 mg/kg , rat

Carcinogenicity **:** Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity

n-Butyl Acetate
96 hrs, LC50 : 18 mg/l fathead minnow
72 hrs, EC50 : 674.7 mg/l green algae
48 hrs, EC50 : 44 mg/l water flea

Persistence and degradability: No further relevant information available
Bioaccumulative potential: No further relevant information available
Mobility in soil: No further relevant information available
Results of PBT and vPvB assessment
PBT: No further relevant information available.
vPvB: No further relevant information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal
In accordance with local and national regulations.

Environmental Hazards
Dispose of container properly.
If recycling is not practicable, dispose of in compliance with local regulations.

14. TRANSPORTATION INFORMATION

UNRTDG, IATA-DGR, IMDG-Code

Proper Shipping Name : Butyl Acetate Solution
Hazard Class : 3
UN No. : 1123
Packing Group : III
Label(s) : Flammable Liquid

Classified as dangerous in the meaning of transport regulations

15. REGULATORY INFORMATION

EPCRA: Emergency Planning and Community Right-to-Know

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does NOT contain any components with a section 304 EHS RQ
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does NOT contain any components with a section 302 EHS TPQ
SARA 311/312 Hazards: NO SARA Hazards
SARA 313 RegulatedChemical(s): This material does NOT contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

CERCLA Reportable Quantity : This material does NOT contain any components with a CERCLA RQ

Updated: May 26th, 2017