

MSDS Code: UTF-WD

Biju® Ultra UTF-WD

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product name: Biju® Ultra UTF-WD

Product Use: Industrial pigment.

Supplier: ENGELHARD PIGMENTS & ADDITIVES EUROPE B.V.
Emrikweg 18
2031 BT Haarlem
The Netherlands
Tel: +31 (0)23 531 8058
Fax: +31 (0)23 531 5365

Emergency telephone number (24 hours): +44(0)208 762 8322 (CARECHEM24)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Preparation: This material is regulated as a preparation.

Ingredient CAS No.	Weight in Percent (%)	EC Index No.	EC (EINECS) No.	Classification:
Isopropanol 67-63-0	5.0 - 9.0	603-117-00-0	200-661-7	R67 Xi;R36 F;R11
Nitrocellulose 9004-70-0	12.0 - 15.0	603-037-01-3	n.a.	F; R11
Stearalkonium Hectorite 71011-26-2	0.1 - 0.3	n.a.	275-126-4	n.a.
Bismuth Oxychloride 7787-59-9	24.0 - 26.0	n.a.	232-122-7	n.a.
Butyl Acetate 123-86-4	51.0 - 57.0	607-025-00-1	204-658-1	R66 R67 R10

Other Information: NOTE: The percentage by weight values reported for this product represent approximate formulation values.

3. HAZARDS IDENTIFICATION

Most important hazards: Classification according to the European Directive on classification of hazardous preparations 1999/45/EC.
Highly flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion: If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

Skin Contact: Flush area with water while removing contaminated clothing and shoes. Wash with soap and water. Clean contaminated clothing and shoes before reuse. Get medical attention if irritation persists.

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water mist. Carbon dioxide. Dry chemical. Foam.

Fire Fighting Procedures: Positive pressure, self-contained breathing apparatus. Wear full protective clothing.

Unusual Fire and Explosion Hazards: Toxic vapors are emitted in a fire condition.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up: Contain spillage. Soak up spill using an absorbent. Scoop into a suitable container.

Personal Precautions: Remove all sources of ignition Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions: Prevent contamination of soil, drains and surface waters.

7. HANDLING AND STORAGE

General advice: Keep container closed.
Store in a cool, dry location away from incompatible materials.
Keep away from sources of ignition - No smoking

Handling and storage: Use only with adequate ventilation.
Do not inhale vapours.
Do not eat, drink, or smoke in work area.
Wash thoroughly after handling.
Avoid contact with eyes, skin and clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Safety glasses with side shields. Wear suitable gloves. Wear clean, body-covering clothing.

Respiratory Protection: Use approved respiratory protection if exposure limits are exceeded, or overexposure is likely.

Ventilation: General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

Ingredient CAS No.	Weight in Percent (%)	ACGIH TLV	EU Occupational Exposure Limits
Isopropanol 67-63-0	5.0 - 9.0	200 ppm 400 ppm STEL	200 ppm ; Peak II, 2 (DE)
Nitrocellulose 9004-70-0	12.0 - 15.0	None Established	None Established
Stearalkonium Hectorite 71011-26-2	0.1 - 0.3	None Established	None Established
Bismuth Oxychloride 7787-59-9	24.0 - 26.0	None Established	None Established
Butyl Acetate 123-86-4	51.0 - 57.0	150 ppm 200 ppm STEL	150 ppm 75 ppm (NO) 100 ppm (CH) (SV) 200 ppm (DE)

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Paste
Colour: Silver
Odour: Characteristic Solvent Odor

Boiling Point, °C: Not Applicable
Density @ 25°C: 1.2Kg/L
Vapor Pressure: Not known
Specific Gravity: 1.2
Solubility (in water): Insoluble.
pH: Not determined.

Flash Point, °C: 15.5 (Closed Cup)
Autoignition Temperature, °C: Not Determined
Lower Explosive Limit, %: Not Determined
Upper Explosive Limit, %: Not Determined

10. STABILITY AND REACTIVITY

Stability Data: Stable

Conditions/Hazards to Avoid: Avoid contact with heat, sparks, open flame, and static discharge.

Incompatibility (Materials to Avoid): Strong acids or alkalis. Strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon. Hydrogen chloride.

Polymerization: None anticipated.

Polymerization - Avoid: None anticipated.

11. TOXICOLOGICAL INFORMATION

Information on Product:

Potential Health Effects:

- Inhalation:** May cause irritation of the respiratory tract. Exposure to high concentrations may result in central nervous system depression. Symptoms include: nausea, persisting gasoline taste in the mouth, drowsiness, dizziness, headache, weakness, tremors, incoordination, stupor.
- Ingestion:** May cause pain, nausea, vomiting and diarrhea. May cause central nervous system depression. Symptoms include: nausea, drowsiness, dizziness, headache, weakness, tremors and loss of consciousness.
- Skin Contact:** Causes mild skin irritation. Repeated exposure may cause skin dryness and cracking. Prolonged contact may cause dermatitis.
- Eye Contact:** Causes eye irritation.
- Other Effects:** NOTE: Ingestion of the product may result in vomiting. Aspiration (breathing) of the vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.
- Chronic Health Hazards:** Refer to Potential Health Effects.

Information on Components:

Ingredient CAS No.	Weight in Percent (%)	Acute Toxicity - Oral	Acute Toxicity - Inhalation	Acute Toxicity - Dermal	Acute Toxicity - Other
Isopropanol 67-63-0	5.0 - 9.0	3,600 mg/kg (mouse)	16970 ppm /4 hr (rat)	Not Available	Not Available
Nitrocellulose 9004-70-0	12.0 - 15.0	> 5 g/kg (rat)	Not Available	Not Available	Not Available
Stearalkonium Hectorite 71011-26-2	0.1 - 0.3	Not Available	Not Available	Not Available	Not Available
Bismuth Oxychloride 7787-59-9	24.0 - 26.0	22 g/kg (rat)	Not Available	Not Available	Not Available
Butyl Acetate 123-86-4	51.0 - 57.0	14,000 mg/kg (rat)	6000 mg/m ³ (mouse) 2000 ppm /4 hr (rat)	Not Available	Not Available

Carcinogenicity:

Ingredient CAS No.	Weight in Percent (%)	IARC (See Notes)	ACGIH (See Notes)	EU Carcinogenicity (See Notes)
Isopropanol 67-63-0	5.0 - 9.0	N3	A4	N
Nitrocellulose 9004-70-0	12.0 - 15.0	N	N	N
Stearalkonium Hectorite 71011-26-2	0.1 - 0.3	N	N	NA
Bismuth Oxychloride 7787-59-9	24.0 - 26.0	N	N	N
Butyl Acetate 123-86-4	51.0 - 57.0	N	N	N

Notes:
IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not classified or probably not carcinogenic.
ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not classified.
EU cat.: 1=Causes cancer in man; 2=Considered to be carcinogenic for man; 3A=Could be carcinogenic for man (but data insufficient for setting MAC value); 3B=Insufficient evidence for assigning to another category; 4=Carcinogenic effect with little or no genotoxicity (no increased cancer risk if MAC is observed); 5=Carcinogenic and genotoxic effects, but potency is low (no increased cancer risk if MAC is observed); N=Not classified

12. ECOLOGICAL INFORMATION

Information on Product:

Environmental Fate: No data available.

Mobility: No data available to the best of our knowledge.

Persistence/Degradeability: No data available to the best of our knowledge.

Ecotoxicological Information: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method: Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

Contaminated Packaging: Empty contaminated containers/packaging must be handled according to applicable regulations for the hazardous properties of the contaminating material.

14. TRANSPORT INFORMATION

ADR/RID

HI UN Number: UN1263
Class: 3
Proper shipping name: Paint
Packing Group/Exceptions: III
Item: 1263
TREM-CARD (Cefic-card): 30GF1-sp

IMO/IMDG

IMO UN No: UN1263
IMO Class: 3
Proper shipping name: Paint
Packing Group: III
EmS No.: F-E, S-E

ICAO/IATA

UN/ID No: UN1263
ICAO Class: 3
Proper shipping name: Paint
ICAO Packing Group: III
Packing Instruction: 309/310

15. REGULATORY INFORMATION

Europe:

Indication of Danger:

F - Highly flammable.



Category of Danger: Highly flammable.

Risk Phrases:
R11 - Highly flammable.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.

Safety Phrases:
S16 - Keep away from sources of ignition - No smoking.
S23 - Do not breathe Vapour
S38 - In case of insufficient ventilation, wear suitable respiratory equipment.
S24 - Avoid contact with the skin.

Water Endangering Class (WGK): 1(According to VwVwS 17 May 1999)

International Inventories:

United States: This product or its ingredients are listed on or compliant with the TSCA Inventory.
Canada: This product or its ingredients are listed on or compliant with the DSL
Europe: This product or its ingredients are listed on or compliant with EINECS.
Japan: Not Determined
Australia: This product or its ingredients are listed on or compliant with AICS.
Korea: This product or its ingredients are listed on or compliant with the ECL.
Philippines: Not Determined
China: Not Determined

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 2 and 3:

R10 - Flammable.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.
R11 - Highly flammable.
R36 - Irritating to eyes.

Revision number: 2

Section(s) Revised in this Version:

- Section 2: Composition/Information on Ingredients
- Section 3: Hazards Identification
- Section 6: Accidental Release Measures
- Section 7: Handling and Storage
- Section 11: Toxicological Information
- Section 15: Regulatory Information

Prepared By: Engelhard Corporate Environmental Health & Safety Group
Safety Data Sheet prepared by Engelhard Corporate office Europe according to the European regulations 1999/45, 2001/60, 2001/58 and 2001/59 which are mandatory per 31 July 2002 and replace or amend 67/548, 91/155, 2000/32 and 2000/33.

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for persons working with or handling this product. The information presented in the SDS is premised upon proper handling and anticipated uses, and is for the material without chemical additions/alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is. Additionally, if this Safety Data Sheet is more than three years old, please contact the supplier at the phone number listed in Section 1 to make certain that this sheet is current. Copyright Engelhard Corporation. License granted to make unlimited copies for internal use only. End of SDS.....