



NIMAID EBS

Grade Name: FB

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	: NIMAID EBS	Grade : CZ-100-83
Product Code	: EBS	
Chemical Name	: Ethylene bis Stearamide	
Manufacturer or supplier's details		
Company	: NIMBASIA STABILIZERS	
Address	: F - 172 (A & B) & F-173, Indraprastha Industrial Area, Kota, Rajasthan, India 324005.	
Telephone	: +91 744 2980970	
Recommended use of the chemical and restrictions on use		
Recommended use	: Lubricant	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification	
Combustible dust	:
GHS Label element	
Signal Word	: Warning
Hazard Statements	: May form combustible dust concentrations in air.

Other hazards which do not result in classification
May irritate eyes.
May irritate skin.
May cause irritation of respiratory tract.
Ingestion may cause irritation to mucous membranes.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Pure substance

SECTION 4. FIRST AID MEASURES

If inhaled	: If breathed in, move person into fresh air. If symptoms persist, call a physician.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	: Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
If swallowed	: If large quantities of this material are swallowed, call a physician immediately.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point	: 304 °C (579 °F)
Method	: open cup
Flammability (solid, gas)	: The product is not flammable.
Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire fighting	: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Specific extinguishing methods	: Standard procedure for chemical fires.
Further information	: Use water spray to cool unopened containers.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
Methods and materials for containment and cleaning up	: Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Provide sufficient air exchange and/or exhaust in work rooms.
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	Avoid contact with skin, eyes and clothing. Avoid dust formation.
Conditions for safe storage	: Store in original container. Keep container tightly closed in a dry and well-ventilated place.
Materials to avoid	: No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection	: Dust safety masks are recommended when the dust concentration is more than 10 mg/m ³ .
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Eye protection	: Safety glasses
Skin and body protection	: Impervious clothing
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

SECTION 7. HANDLING AND STORAGE

Appearance	: Powder OR Beads
Color	: white
Odor	: characteristic
Odor Threshold	: No data available
pH	: not applicable
Melting point/range	: 140 - 150 °C
Boiling point/boiling range	: not applicable Decomposes below the boiling point.
Flash point	: 304 °C (579 °F) Method: open cup
Flammability (solid, gas)	: The product is not flammable.
Vapor pressure	: estimated < 0.0000001 hPa (20 °C)
Relative vapor density	: not applicable
Relative density	: 1.0075 (23 °C)
Density	: 1.0075 g/cm ³ (23 °C)

Solubility(ies)

Water solubility	: insoluble
Solubility in other solvents	: not applicable
Partition coefficient noctanol/water	: not applicable
Thermal decomposition	: No data available

Viscosity

Viscosity, kinematic	: not applicable
Explosive properties	: Not explosive
Oxidizing properties	: not applicable
Surface tension	: not applicable

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	: Hazardous polymerization does not occur. Stable under recommended storage conditions.
Conditions to avoid	: Avoid dust formation.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides (COx), nitrogen oxides (NOx) products

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	: LD50 Oral rat, male and female: > 5,000 mg/kg
Method	: OECD Test Guideline 401

Acute inhalation toxicity	: LC50 rat, male and female: > 14.55 mg/l
Exposure time	: 4 h
Test atmosphere	: dust/mist
Method	: Calculation method

Acute toxicity (other routes of administration)	:
Remarks	: No data available

Skin corrosion/irritation

Product:

Species	: rabbit
Result	: Not irritating
Method	: OECD Test Guideline 404

Serious eye damage/eye irritation

Product:

Species	: rabbit
Result	: Not irritating
Method	: OECD Test Guideline 405

Respiratory or skin sensitization

Product:

Species	: mouse
Result	: Did not cause sensitization on laboratory animals.
Method	: OECD Test Guideline 429
Test substance	: 50%

Germ cell mutagenicity

Product:

Genotoxicity in vitro

Type	: Ames test
Metabolic activation	: with and without metabolic activation
Result	: negative
Method	: Mutagenicity (Salmonella typhimurium - reverse mutation assay)

Type	: Chromosome aberration test in vitro
Metabolic activation	: with and without metabolic activation
Result	: negative
Method	: OECD Test Guideline 473

Carcinogenicity

No data available

Reproductive toxicity

Product:

Reproductive toxicity Assessment	: Animal testing did not show any effects on fertility. Animal testing did not show any effects on fetal development.
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STOT-single exposure

Product:

Assessment	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
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STOT-repeated exposure

Aspiration toxicity

: No data available
: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): > 10,000 mg/l
Exposure time	: 96 h

Test Method : static test
Method : OECD Test Guideline 203

LC50 (Oryzias latipes (Orange-red killifish)): >0.027 mg/l

Exposure time : 96 h
Test Method : semi-static test
Method : OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0.0022 mg/l

Exposure time : 48 h
Test Method : semi-static test
Method : OECD Test Guideline 202
Remarks : No toxicity at the limit of solubility.

(Daphnia magna (Water flea)): > 10,000

Exposure time : 48 h
Test Method : static test
Method : OECD Test Guideline 202

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 0.053 mg/l

End point : Growth rate
Exposure time : 72 h
Test Type : static test
Method : OECD Test Guideline 201
Remarks : No toxicity at the limit of solubility.

Plant toxicity:
Remarks : not applicable

Ecotoxicology Assessment

Acute aquatic toxicity : No toxicity at the limit of solubility.
Chronic aquatic toxicity : No toxicity at the limit of solubility.

Persistence and degradability

Product:
Biodegradability:
Test Type : (OECD 301B)
Concentration : 10 mg/l
Result : According to the results of tests of biodegradability this product is not readily biodegradable.

Biodegradation	: 15 %
Testing period	: 28 d
GLP	: yes
Test Type	: (OECD 301B)
Concentration	: 20 mg/l
Result	: According to the results of tests of biodegradability this product is not readily biodegradable.
Biodegradation	: 5.5 %
Testing period	: 28 d
GLP	: yes
Test Type	: (OECD 301C)
Result	: According to the results of tests of biodegradability this product is not readily biodegradable.
Biodegradation	: 1.1 %
Testing period	: 14 d

Bioaccumulative potential

Product:

Bioaccumulation : Bioconcentration factor (BCF): < 6.2

Remarks : Bioaccumulation is unlikely.

Partition coefficient:
noctanol/water

Remarks : not applicable

Mobility in soil

No data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International regulation

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

Special precautions for user

Remarks : Not regulated for transport in accordance with DOT, TDG, IMDG, and IATA regulations.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : No SARA Hazards

SARA 302:

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

SARA 313 : 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.

US State Regulations

Pennsylvania Right To Know

Ethylene bis stearamide 110-30-5 90 - 100 %

New Jersey Right To Know

Ethylene bis stearamide 110-30-5 90 - 100 %

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

TSCA : All chemical substances in this product are listed on the TSCA Inventory.

REACH : On the inventory, or in compliance with the inventory

CH INV : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL.

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

ISHL : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory

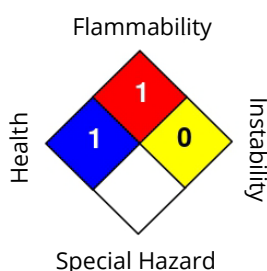
Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS II:

HEALTH	1
FLAMMABILITY	1
Reactivity	0

0 = not significant, 1 =Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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. 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.