

MATERIAL SAFETY DATA SHEET

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EDS SP

Issue date: 21 December 2022

Last update: June 29th, 2020 **REVISION 1**

Modifications are written in blue color.

Presentation and rules of drafting in conformity with the regulation (CE) 1907/2006 and EC/1272/2008.

1. IDENTIFICATION OF THE PREPARATION AND COMPANIES

1.1 Identification of the substance: Ethylene bis-stearamide SP

1.2 Use of the substance: **lubricant**

1.3 Identification of companies:

Supplier: Assistance Distribution Chimie
123 rue Marie Curie
26780 Châteauneuf-du-Rhône
Phone: +33 (0)4 75 54 35 05
E-mail: **contact@adc-chimie.com**

Producer: FACI
Italia

Emergency number: ORFILA 33 (0)1 45 42 59 59

ANTI-POISON CENTERS:

Paris : 33(0) 1 40 05 48 48 –

Lille : 0 825 812 822

Nancy : 33 (0)3 83 32 36 36

Toulouse : 33 (0)5 61 77 74 47

Angers : 33 (0)2 41 48 21 21

Lyon : 33 (0)3 4 72 11 69 11

Rennes : 33 (0)2 99 59 22 22

Bordeaux : 33 (0)5 56 96 40 80

Marseille : 33(0) 4 91 75 25 25

Strasbourg : 33 (0)3 88 37 37 37

Toxicovigilance centers: GRENOBLE – REIMS - ROUEN

2. HAZARD IDENTIFICATION

2.1 Classification: **not classified and no labelling applicable according to Regulation (EC) No. 1272/2008 [CLP]**

2.2 Additional safety information for humans and the environment: dust may form explosive mixture in air.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

3.1 Identification of the substance: Ethylene bis-stearamide SP

EINECS N°
203-755-6

CAS number
110-30-5

REACH number
01-2119487304-xxxx

3.2 Purity: **>= 99%**

3.3 Mixtures: **not applicable.**

4. FIRST AID MEASURES:

4.1 Description of first aid measures:

In case of eye contact:

Rinse immediately with plenty of water for 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical advice/attention.

In case of skin contact:

Gently wash with plenty of soap and water. Remove contaminated clothing.
Drench affected area with water for at least 15 minutes. If skin irritation occurs:
Get medical advice/attention. Wash contaminated clothing before reuse.

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In case of inhalation:	Remove person to uncontaminated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
In case of ingestion:	Get immediate medical advice/attention. Do not induce vomiting without medical advice.
4.2 Most important symptoms and effects, both acute and delayed: dusts are mechanical irritants.	

5. FIGHTING MEASURES:

5.1 Extinguishing media: Use dry chemical, foam, carbon dioxide or water fog, carbon dioxide.

Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture:

Fire hazard:	Potential dust explosion hazard from airborne release. High concentrations of dust or fine particulate in enclosed spaces may represent a fire/explosion risk.
Explosion hazard:	Potential dust explosion hazard from airborne release. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Hazardous decomposition products in case of fire:	Toxic fumes may be released.
5.3 Advice for firefighters:	
Precautionary measures fire:	Avoid generation of dust. Keep container tightly closed and away from heat, sparks and flame.
Firefighting instructions:	Move undamaged containers from immediate hazard area if it can be done safely. Stay upwind/keep distance from source.
Protective equipment for firefighters:	Use self-contained breathing apparatus and chemically protective clothing. Wear fire/flame resistant/retardant clothing.

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions:

6.1.1 For non-emergency personnel:

Protective equipment:	Wear suitable protective clothing. Wear recommended personal protective equipment.
Emergency procedures:	Avoid breathing dust. Immediately contact emergency personnel. Evacuate area.
Measures in case of dust release:	Mechanically ventilate the spillage area.

6.1.2 For emergency responders:

Protective equipment:	In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing. Wear recommended personal protective equipment.
Emergency procedures:	Evacuate and limit access. Take precautionary measures against static discharge. Avoid breathing dust. Material spilled on hard surface can present a serious slipping/falling hazard. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.2 Environmental precautions: Do not allow to enter into ground-water, surface water of drains.

6.3 Methods and material for containment and cleaning up:

For containment:	Mechanically ventilate the spillage area. Use clean-up methods that avoid dust generation (vacuum wet).
Methods for cleaning up:	Avoid creating or spreading dust. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

6.4 Reference to other sections: For disposal of residues, refer to section 13: Disposal considerations.

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7. HANDLING AND STORAGE:

7.1 Precautions for safe handling:

Additional hazards when processed:	Generation of airborne dust. Dust may form flammable and explosive mixture with air.
Precautions for safe handling:	Do not breathe dust. Use approved industrial vacuum cleaner for removal. Avoid raising powdered materials into airborne dust. Provide local exhaust or general room ventilation to minimize exposure to dust. Use grounded electrical/mechanical equipment. Use explosionproof equipment.
Hygiene measures:	Do not eat, drink, smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing prior to re-use. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities:

Storage conditions:	Store in a dry, cool area. Keep container tightly closed.
Maximum storage period:	12 months
Heat and ignition sources:	Keep away from open flames, hot surfaces and sources of ignitions.
Special rules on packaging:	Keep only in original container.
7.3 Specific end use(s):	No additional information available.

8. EXPOSURE CONTROLS AND PERSONNEL PROTECTION:

8.1 Control parameters: no additional information available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Provide adequate ventilation to minimize dust concentrations. Either local exhaust or general room ventilation is usually required. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2 Personal protective equipment:

Gloves:	In case of dust production: protective goggles. Protective clothing. Dust production: dust mask with filter type P2.
Materials for protective clothing:	Wear chemical resistant protective clothing (EN 14605) and protective shoe (S1P or S3).
Hand protection:	Wear suitable gloves tested to EN 374. Thickness of the glove material > 0.11mm. Breakthrough time > 480min. Nitrile rubber.
Eye protection:	In case of dust production: protective goggles. EN 166.
Respiratory protection:	Dust production: dust mask with filter type P2.

8.2.3 Personal protective equipment symbol(s):



9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 General information:

Form:	Solid
Colour:	Ivory. White
Odor:	Ammonia odor

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9.2 Important health, safety and environmental information:

pH-value	< 8
Boiling temperature / boiling range:	not applicable
Vapor pressure:	no data available
Density	approx. 0.97 – 0.99 melted
Solubility:	water: partially soluble Ethanol: soluble Organic solvent: partially soluble
Viscosity:	no data available
Flash point	approx. 280 – 290 °C
Melting point:	approx. 140 – 145 °C
Self-ignition:	approx. 390°C
Decomposition temperature:	> 200°C
Flammability:	approx. 15g/m ³ particles <74 µ (in air)
Explosive properties:	not explosive. Dust may form explosive mixture in air.
Oxidizing properties:	not oxidizing.
9.2 Other information:	
Bulk density:	approx. 500 g/cm ³

10. STABILITY AND REACTIVITY

10.1 Reactivity:	Stable under normal conditions of use.
10.2 Chemical stability:	Stable under normal conditions of use.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
10.5 Incompatible materials:	Oxidizing agents.
10.6 Hazardous decomposition products:	Thermal decomposition generates: calcium oxides and carbon oxides.

11. TOXICOLOGICAL INFORMATION:

Acute toxicity:	not classified
Skin corrosion/irritation:	not classified, pH: <8
Serious eye damage/irritation:	not classified, pH: <8
Respiratory or skin sensitization:	not classified
Germ cell mutagenicity:	not classified
Carcinogenicity:	not classified
Reproductive toxicity:	not classified
STOT-single exposure:	not classified
STOT-repeated exposure:	not classified
Aspiration hazard:	not classified

12. ECOLOGICAL INFORMATION:

12.1 Toxicity:	
Hazardous to the aquatic environment, short-term (acute):	not classified.
Hazardous to the aquatic environment, long (term (chronic):	not classified.
12.2 Persistence and degradability:	Readily biodegradable.
12.3 Bioaccumulative potential:	no additional information available.
12.4 Mobility in soil:	no additional information available.
12.5 Results of PBT and vPvB assessment:	no additional information available.
12.6 Other adverse effects:	no additional information available

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13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods

Can be deposited in landfills, sent to an incineration or other appropriate means of disposal provided which meet the requirements of local laws.

14. TRANSPORT INFORMATION:

14.1 Transport information

ADR:	not applicable
IMDG:	not applicable
IATA:	not applicable
ADN:	not applicable
RID:	not applicable

14.2: Special precautions for user:

Overland transport:	not applicable
Transport by sea:	not applicable
Air transport:	not applicable
Inland waterway transport:	not applicable
Rail transport:	not applicable

14.3: Transport in bulk according to Annex II of Marpol and the IBC Code: not applicable

15. REGULATORY INFORMATION:

15.1 EU-Regulations:

No REACH Annex XVII restrictions

ETHYLENE BIS-STEARAMIDE SP (non-dusting grade) is not on the REACH Candidate List

ETHYLENE BIS-STEARAMIDE SP (non-dusting grade) is not on the REACH Annex XIV List

ETHYLENE BIS-STEARAMIDE SP (non-dusting grade) is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of July 4th, 2012 concerning the export and import of hazardous chemicals.

ETHYLENE BIS-STEARAMIDE SP (non-dusting grade) is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of June 20th, 2019 on persistent organic pollutants

15.2 National regulations:

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Germany:

Water hazard class (WGK):	WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 3010)
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Hazardous Incident Ordinance (12. BImSchV):	Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
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Netherlands:

SZW-lijst van kankerverwekkende stoffen:

The substance is not listed

SZW-lijst van mutagene stoffen:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid:

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling:

The substance is not listed

15.3 Chemical safety assessment:

No additional information available.

16. OTHER INFORMATION:

Abbreviations and acronyms:

CLP:	CLP – Classification, Labelling and Packaging
REACH:	REACH – Registration, Evaluation, Authorization and Restriction of Chemicals
SDS:	SDS – Safety Data Sheet
CSR:	CSR – Chemical Safety Report
ADR:	Overland transport (ADR)
CAS:	CAS – Chemical Abstracts Service (number)
PBT:	PBT – Persistent, Bioaccumulative and Toxic substance
vPvB:	vPvB – Very Persistent and Very Bioaccumulative
IATA:	IATA – International Air Transport Association
IMDG:	IMDG – International Maritime Dangerous Goods
LD50:	Median lethal dose

17. OTHER INFORMATION:

We recommend that containers be either professionally reconditioned for re-use by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations. “Empty” drums should not be given to individuals.

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We caution the users to the incurred possible risks when the product is used at other ends than the use for which it is planned.

It exempts under no circumstances the user from knowing and applying all the texts regulating its activity. The user will take under its only responsibility the precautions linked to the use which he makes of the product.

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