



Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

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**1.4 Emergency telephone number**

+ 44 1235 239670 (All languages)

CAVp "Hospit. Pediatric Child Jesus" Rome Piazza Sant'Onofrio, 4 00165 Tel.06-68593726 Az.  
Osp. Univ. Foggia Foggia V.le Luigi Pinto, 1 71122 Tel.0881-732326  
Hospital Az. "A. Cardarelli" Naples Via A. Cardarelli, 9 80131 Tel.081-7472870 CAV  
Policlinico "Umberto I" Rome V.le del Policlinico, 155 00161 Tel.06-49978000 CAV  
Policlinico "A. Gemelli" Rome Largo Agostino Gemelli, 8 00168 Tel.06-3054343  
Hospital Az. "Careggi" Medical Toxicology Unit Florence Largo Brambilla, 3 50134 Tel.055-7947819  
CAV National Center for Toxicological Information Pavia Via Salvatore Maugeri, 10 27100  
Tel.0382-24444  
Hospital. Niguarda Ca' Granda Milan Piazza Ospedale Maggiore,3 20162 Tel.02-66101029 Papa  
Giovanni XXII Bergamo Hospital Piazza OMS, 1 24127 Tel.800883300 Integrated university  
hospital (AOUI) of Verona headquarters in Borgo Trento, Verona Tel. 800011858

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**SECTION 2: Hazard identification****2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No. 1272/2008)** Non-hazardous substance or mixture.

**2.2 Label elements**

**Labeling (REGULATION (EC) No. 1272/2008)** Non-hazardous substance or mixture.

**2.3 Other dangers**

This substance/mixture does not contain components considered to be both persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties in accordance with Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties in accordance with Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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**SECTION 3: composition/information on ingredients****3.1 Substances**

Name of substance : EF35P\_aluminium trihydrate

EC No : 244-492-7



Version 3.0 SDB_IT	Revision date: 11.16.2022	Previous edition date: 03.24.2017 First edition date: 04.13.2015
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Chemical nature : Mineral charge

**Components**

Observations : No dangerous ingredients

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**SECTION 4: First aid measures****4.1 Description of first aid measures** General

information	:	Keep warm in a quiet room. Show this safety data sheet to your doctor. Remove all contaminated clothing immediately.
If inhaled	:	Take to fresh air. Place the affected person in a resting position and keep him/her warm. In case of unconsciousness, place on your side in a stable position and consult a doctor. If symptoms persist, consult a doctor.
In case of contact with skin	:	Wash immediately with soap and plenty of water. Do not use solvents or thinners. If it gets on clothing, remove clothing. If skin irritation persists, call a doctor.
In case of contact with eyes	:	Rinse immediately with plenty of water, even under the eyelids, for at least 15 minutes. If eye irritation persists, consult a doctor. If this is easy, remove contact lenses if you wear them.
If ingested	:	Keep at rest. Do not induce vomiting without prior medical instructions. Keep the respiratory tract clean. If symptoms persist, consult a doctor.

**4.2 Most important symptoms and effects, both acute and delayed**

Symptoms : irritant effects

**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment : The First Aid procedure should be agreed by consulting the competent occupational doctor.

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**SECTION 5: Fire prevention measures****5.1 Extinguishing media** Suitable

extinguishing media : Waterfall  
Carbon dioxide (CO<sub>2</sub>)  
Foam

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Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

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Dry powder

Unsuitable extinguishing media : Not known.

**5.2 Special hazards arising from the substance or mixture**

Specific dangers against the fire : Burning produces irritating fumes.

**5.3 Recommendations for fire extinguishers**

Protection devices special for fire extinguishers : In case of fire, wear breathing apparatus with independent air supply. Use personal protective equipment.

Further information : In case of fire and/or explosion do not breathe fumes. Use extinguishing systems compatible with the local situation and the surrounding environment.  
Immediately remove personnel to safe areas. Prevent water from fire extinguishers from contaminating surface water or groundwater.  
Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and procedures in case of emergency**Individual precautions : Refer to protective measures listed in sections 7 and 8.  
Evacuate personnel to safe areas.  
Use personal protective equipment.  
Provide adequate ventilation.  
Inform the responsible authorities in the event of a gas leak, or if it enters pipes, soil or sewers.**6.2 Environmental precautions**Environmental precautions : Do not allow uncontrolled dumping of the product in the environment.  
Prevent the material from entering drains or waterways.

Local authorities must be informed if losses cannot be contained.

**6.3 Methods and materials for containment and cleanup**

Remediation methods : Dry with inert materials (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain and collect spills with non-combustible absorbent material (such as sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal in accordance with local or national guidelines (refer to section 13).

Collect and transfer to an appropriate container

Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

labeled.

**6.4 Reference to other sections**

See Section 8 for personal protective equipment.

**SECTION 7: handling and storage****7.1 Precautions for safe handling**

Warnings for use: safe	Ensure sufficient air exchange and/or extraction in the working environments. Avoid inhalation, ingestion and contact with skin and eyes.  Wear protective clothing.
Indications against fires and explosions	Keep away from open flames, hot surfaces and sources of ignition.
Hygiene measures	: Do not breathe dust or spray. Provide adequate ventilation. Wash hands and face before breaks and immediately after handling the product.

**7.2 Conditions for safe storage, including any incompatibilities**

Warehouse and container requirements	Keep containers tightly closed in a cool, well-ventilated area. Keep in appropriately labeled containers. To preserve the quality of the product, do not store near a heat source and do not expose to direct light.
Directions for storage together with other products	: Keep the product and empty containers away from heat and ignition sources. Keep away from food and drinks.
Learn more about storage stability	: Stable at normal environmental conditions of temperature and pressure.

**7.3 Specific end uses**

Special uses	: Consult the technical instructions for using this one substance/mixture.
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

It does not contain substances with occupational exposure limit values. It does not contain substances with occupational exposure limit values.

**8.2 Exposure controls****Suitable technical controls**

Effective exhaust ventilation system Effective ventilation in all process areas

**Individual protection**

Eye protection : Do not wear contact lenses.

Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

Safety glasses with side protection in accordance with EN166  
Make sure eyewashes and emergency showers are close to the workstation.

Hand protection

Material

: Protective gloves according to EN 374.

Skin and body protection

: Protective suit

Respiratory protection

: Respiratory system only in case of aerosol or dust formation.  
Use respiratory protection unless adequate room exhaust ventilation is provided or exposure assessment demonstrates that this meets recommended guidelines.

Appropriate breathing apparatus:

Mouth-nose mask equipped with P2 microporous filter (European Standard 143)

Protection measures

: Avoid contact with skin. Wear appropriate protective clothing.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state

: dust

Color

: white

Odor

: odorless

Olfactory threshold

: not determined

Melting point/range

: 300 - 600 °C

Boiling point/boiling range

: Not applicable

Upper explosive limit: Not applicable / Upper limit of flammability

Lower explosive limit / : Not applicable Lower limit of flammability

Flash point

: it doesn't catch fire

Ignition temperature

: Not applicable



Version 3.0 SDB_IT	Revision date: 11.16.2022	Previous edition date: 03.24.2017 First edition date: 04.13.2015
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Temperature of self-ignition : Not applicable

Temperature of decomposition : No data available

pH : not determined

Viscosity  
Viscosity, kinematics : not determined

Solubility/solubilities.  
Water solubility : not determined

Solubility in other solvents : not determined

Partition coefficient: n- : No data available octanol/water

Vapor pressure : Not applicable

Density : 2.42 g/cm<sup>3</sup>

Apparent density : not determined

Relative vapor density : not determined

Characteristics of the particles  
Particle size : not determined

Particle size: not determined

## 9.2 Other information

Explosives : Not applicable

Oxidizing properties : Not applicable

Self-ignition : Not applicable

Evaporation rate : not determined

Surface tension : not determined

Sublimation point : not determined

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## SECTION 10: stability and reactivity

### 10.1 Responsiveness

Stable under recommended storage conditions.

Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

---

**10.2 Chemical stability**

No decomposition if stored and used as directed.

**10.3 Possibility of hazardous reactions**

Dangerous reactions : No dangerous reactions are known when used under normal conditions.

**10.4 Conditions to avoid**

Conditions to avoid : No decomposition if used according to the appropriate instructions.

**10.5 Incompatible materials**

Materials to avoid : No data available

**10.6 Hazardous decomposition products**Stable under normal conditions.

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**SECTION 11: toxicological information****11.1 Information on the hazard classes defined in Regulation (EC) No. 1272/2008****Acute toxicity****Product:**

Acute oral toxicity : Observations: No data available

Acute toxicity for inhalation : Observations: No data available

Acute dermal toxicity : Observations: No data available

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

**Skin corrosion/irritation****Product:**

Observations : No data available

**Serious eye damage/eye irritation****Product:**

Observations : No data available

**Respiratory or skin sensitization****Product:**

Observations : No data available

**Carcinogenicity****Product:**



Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

---

Observations : No data available

**Reproductive toxicity****Product:**

Effects on fertility : Observations: No data available

Effects on fetal development : Observations: No data available

**Specific target organ toxicity (STOT) - single exposure****Product:**

Observations : No data available

**Specific target organ toxicity (STOT) - repeated exposure****Product:**

Observations : No data available

**Repeated dose toxicity****Product:**

Observations : No data available

**11.2 Information on other hazards****Endocrine disrupting properties****Product:**

Assessment : The substance/mixture contains no considered components having endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Further information****Product:**Observations : No data available

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**SECTION 12: Ecological information****12.1 Toxicity****Product:**

Toxicity to fish : Observations: No data available

Toxicity to daphnia and other aquatic invertebrates : Observations: No data available

**12.2 Persistence and degradability****Product:**

Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

---

Biodegradability : Observations: No data available

Physico-chemical elimination : Observations: No data available

**12.3 Bioaccumulative potential****Product:**

Bioaccumulation : Observations: No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment****Product:**

Assessment : This substance/mixture contains no components considered both persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

**12.6 Endocrine disrupting properties****Product:**

Assessment : The substance/mixture contains no considered components having endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects****Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : In accordance with local and national regulations. Dangerous container when empty. Do not dispose of as household waste. Do not mix waste from different origins during collection.

Contaminated containers : Empty containers must be entrusted to authorized local companies for recycling and disposal.

Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

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**SECTION 14: Transport information****14.1 UN number or ID number**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard classes** Not regulated  
as a dangerous good**14.4 Packing group****ADR/RID/ADN** : Not regulated as a dangerous good**IMDG** : Not regulated as a dangerous good  
IMDG  
Observations : Code segregation group - none**IATA (Cargo)** : Not regulated as a dangerous good Not**IATA (Passenger)** : regulated as a dangerous good**14.5 Dangers for the environment**

Not regulated as a dangerous good

**14.6 Special precautions for users**

Observations : The transport of dangerous goods, including loading and unloading, must be carried out by people who have received the necessary training required by the modal regulations.

**14.7 Maritime transport in bulk in accordance with IMO acts** Not  
applicable to the product in its supplied form.

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**SECTION 15: Regulatory information****15.1 Health, safety and environmental laws and regulations specific for the substance or mixture**REACH - Restrictions on the manufacturing, placing : Not applicable  
on the market and use of certain dangerous  
substances, mixtures and articles (Annex XVII)REACH - Candidate List of Substances of Very High : Not applicable  
Concern for Authorization (Article 59).Regulation (EC) no. 1005/2009 on substances that : Not applicable  
deplete the ozone layerRegulation (EU) 2019/1021 on persistent organic : Not applicable  
pollutants (recast)Regulation (EC) no. 649/2012 of the European Parliament: Not applicable and  
of the Council on the export and import of  
dangerous chemicals

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Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

REACH - List of substances subject to authorization (Annex XIV) : Not applicable

REGULATION (EU) 2019/1148 on the placing on the market and use of explosives precursors

: Not applicable

International Chemical Weapons Convention (CWC), : Not applicable list of precursor and toxic chemicals

Regulation (EC) no. 111/2005 of the Council laying down rules for the control of trade in drug precursors between the Community and third countries : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major accident hazards involving dangerous substances. Not applicable

Other legislation : With reference to the composition of the product, we do not intentionally add any of the substances listed in the European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

Consequently the product is in line with these directives. We do not intentionally add conflict minerals to the product.

**15.2 Chemical safety assessment** Not applicable

## **SECTION 16: other information**

### **Full text of other abbreviations**

ADN - European Agreement relating to the international transport of dangerous goods by inland waterways; ADR - Agreement relating to the international transport of dangerous goods by road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for Materials Testing; bw - Body weight; CLP - Classification, Labeling and Packaging Regulation; Regulation (EC) No. 1272/2008; CMR - Carcinogenic, mutagenic or toxic for reproduction; DIN - Standard of the German Institute for Standardization; DSL - Domestic List of Substances (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Load rate associated with x% response; EmS - Emergency program; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half concentration

Version  
3.0 SDB\_ITRevision date:  
11.16.2022Previous edition date: 03.24.2017  
First edition date: 04.13.2015

ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances China; IMDG - International Maritime for the Transport of Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemical Substances; LC50 - 50% lethal concentration for a test population; LD50 - 50% lethal dose for a test population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; nos - not otherwise specified; NO(A)EC - No observed (adverse) effect concentration; NO(A)EL - No observed (adverse) effect level; NOELR - Load share with no observed effects; NZIoC - New Zealand Chemical Inventory; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine Chemical Substance Inventory; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, the authorization and restriction of chemical substances; RID - Regulations concerning the international rail transport of dangerous goods; SADT - Self-Accelerated Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Inventory of existing chemicals in Thailand; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very persistent and very bioaccumulative

**Further information**

Directions about training : Making information and instructions available to operators and training.

The information reported in this Safety Data Sheet is correct to the best of our knowledge of the product at the time of publication. This information is provided with the sole purpose of allowing the use, storage, transport and disposal of the product in the most correct and safe ways. This information should not be considered a guarantee or specification of product quality.

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