

# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

## 1. Identification

**Product identifier:** VESTAMID® X7293 NC

**Other means of identification**

None.

**Recommended restrictions**

**Recommended use:** Moulding mass for thermoplastic processing into technical semi-finished products and structural elements

**Restrictions on use:** Not determined.

**Manufacturer/Importer/Distributor Information**

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Nutrition & Care  
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Richmond, VA 23237  
USA

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Fax : +1 804 727 0845

E-mail : product-regulatory-services@evonik.com

**Emergency telephone number:**

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : 800 681 9531 (CHEMTREC MEXICO)  
+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

**Hazard Classification**

**Label Elements**

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** This product is not considered to be a hazardous substance or mixture when classified in accordance with Regulation 29 CFR 1910.1200 (US GHS).

**Precautionary Statements** Not applicable

Hazard(s) not otherwise classified (HNOC): None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
N-butylbenzenesulphonamide		3622-84-2	10 - <25%
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		52829-07-9	0.1 - <1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition Comments:** This sheet describes a group of products. It only contains safety-relevant data. For specific data, see Product Information sheet.

**Composition Comments:** moulding compound on the base: polyamide

The exact concentration has been withheld as a trade secret.

### 4. First-aid measures

#### Description of first aid measures

**General information:** Pay attention to self-protection. Move out of dangerous area. Keep warm, position comfortably, and cover well. Do not leave the victim unattended.

**Inhalation:** In case of symptoms of irritation caused by vapours in thermal processing: Provide fresh air, seek medical advice if necessary. Following inhalation of product dust: See that there is fresh air.

**Skin Contact:** Cool melted product on skin with plenty of water. Do not remove solidified product. In case of burns by molten product medical treatment is necessary.

**Eye contact:** Rinse with plenty of water.

**Ingestion:** Not applicable; not an expected route of exposure.

**Personal Protection for First-aid Responders:** No data available.

#### Most important symptoms and effects, both acute and delayed

**Symptoms:** No experiences of acute or chronic damages in humans have been made as yet.

**Hazards:** Risk of skin burns caused by hot melt.

### Indication of immediate medical attention and special treatment needed

**Treatment:** Continue with first aid measures. Depending on the pathology and clinical findings, patient monitoring and symptomatic treatment are necessary.

## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media:** High volume water jet.

**Special hazards arising from the substance or mixture:** May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition, nitric oxides, sulphur dioxide. Under certain conditions of combustion traces of other toxic substances cannot be excluded

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Have ready/wear respiratory protection equipment.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** In case product dust is released: Dust mask

**Accidental release measures:** No data available.

**Methods and material for containment and cleaning up:** Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

**Environmental Precautions:** Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

## 7. Handling and storage

### Handling

**Technical measures:** In case of thermal processing, provide for extraction of the vapours or adequate ventilation. In case of dust being formed, provide for adequate extraction.

**Local/Total ventilation:** No data available.

**Safe handling advice:** Avoid dust formation. Provide for appropriate exhaust ventilation and dust collection at machinery. In case of thermal processing, provide for extraction of the vapours or adequate ventilation. In thermal processing: Risk of skin burns. Fumes from hot processing may be irritating to eyes and respiratory tract.

**Contact avoidance measures:** No data available.

#### Storage

**Safe storage conditions:** Store dry. Close container tightly. General rules of fire prevention should be observed. If dusts are formed: Take precautionary measures against static charges, keep away from sources of ignition.

**Safe packaging materials:** No data available.

### 8. Exposure controls/personal protection

#### Control Parameters

##### Occupational Exposure Limits

None of the components have assigned exposure limits.

##### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

#### Appropriate Engineering Controls

In case of thermal processing, provide for extraction of the vapours or adequate ventilation. In case of dust being formed, provide for adequate extraction. Avoid dust formation.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety glasses

#### Skin Protection

**Hand Protection:** Additional Information: Chemical resistant gloves., Any areas of skin covered with dust must be washed immediately with soap and water as the powder draws out natural moisture from the skin., Use barrier cream regularly. Additional Information: Protective heat-insulating gloves are to be used during thermal processing.

**Skin and Body Protection:** In order to determine further specifications applicable to the personal protection equipment, a hazard assessment according to the OSHA standards (29 CFR 1910.132) for personal protection equipment (PPE) is recommended before the product is used.

**Respiratory Protection:** The wearing of a dust mask is sufficient in the event of dust occurring, e.g. during conveyance of the granulate or filter cleaning operations. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

**Hygiene measures:** Do not wear contaminated clothing. Wash hands before breaks and at the end of workday. Smoking, eating and drinking should be prohibited in the application area.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Granules
<b>Color:</b>	natural colour
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not determined., Not required by safety or application considerations.
<b>Melting Point:</b>	329 - 374 °F/ 165 - 190 °C
<b>Boiling Point:</b>	Not applicable Decomposition
<b>Flammability:</b>	Not classified as a flammability hazard
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	see Explosiveness
<b>Explosive limit - lower:</b>	see Explosiveness
<b>Flash Point:</b>	Not applicable
<b>Auto-ignition temperature:</b>	> 572 °F/> 300 °C
<b>Decomposition Temperature:</b>	No data available. Not required by safety or application considerations.
<b>pH:</b>	Not applicable
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	No data available. Not required by safety or application considerations.
<b>Kinematic viscosity:</b>	No data available. Not required by safety or application considerations.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available. Not required by safety or application considerations.
<b>Vapor pressure:</b>	Not applicable
<b>Relative density:</b>	1.0 - 1.2 at 68 °F/20 °C
<b>Density:</b>	No data available.
<b>Bulk density:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available
<b>Particle Size Distribution:</b>	No data available

<b>Specific surface area:</b>	No data available.
<b>Surface charge/Zeta potential:</b>	No data available.
<b>Shape:</b>	No data available
<b>Crystallinity:</b>	No data available
<b>Surface treatment:</b>	No data available

**Other information**

<b>Explosive properties:</b>	Not explosive
<b>Oxidizing properties:</b>	The substance or mixture is not classified as oxidizing.
<b>Self-ignition:</b>	The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.
<b>Formation of Flammable Gases:</b>	Substance or mixture, which in contact with water, does not emit flammable gas
<b>Peroxides:</b>	The substance or mixture is not classified as organic peroxide.
<b>Metal Corrosion:</b>	Not corrosive to metals
<b>Evaporation Rate:</b>	Not applicable

**10. Stability and reactivity**

<b>Reactivity:</b>	Under normal conditions: stable.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	Do not bring hot smelter into contact with water (steam formation!)
<b>Conditions to avoid:</b>	Keep away from all ignition sources including heat, sparks and flame. Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	harmful gases/vapours carbon monoxide, carbon dioxide Nitrogen Oxides organic products of decomposition sulphur dioxide

**11. Toxicological information**

**Information on likely routes of exposure**

<b>Inhalation:</b>	Information on effects are given below.
<b>Skin Contact:</b>	Information on effects are given below.
<b>Eye contact:</b>	Information on effects are given below.
<b>Ingestion:</b>	Information on effects are given below.

**Acute toxicity (list all possible routes of exposure)**

<b>Oral Product:</b>	Not classified for acute toxicity based on available data.
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**Dermal**

**Product:** Not classified for acute toxicity based on available data.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**

**Product:** No data available.

**Components:**

N- butylbenzenesulphonamide  
NOAEL Rat, Female, Male, Dermal, > 1,000 mg/kg  
NOAEL Rat, Female, Male, Oral, 7 days a week, 50 mg/kg

**Skin Corrosion/Irritation**

**Product:** No data available.

**Components:**

N- butylbenzenesulphonamide  
Not irritating, OECD 404, Rabbit  
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  
Not irritating, OECD 404, Rabbit

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

N- butylbenzenesulphonamide  
Not irritating, OECD 405, Rabbit  
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  
Risk of serious damage to eyes., OECD 405, Rabbit

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Components:**

N- butylbenzenesulphonamide  
Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer.  
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  
Skin sensitization:, OECD 406, Guinea Pig, Not a skin sensitizer.  
sensitizing to the respiratory tract:, No data available.

**Carcinogenicity**

**Product:** No data available.

**Components:**

bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  
No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**ACGIH: US.ACGIH Threshold Limit Values:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****In vitro**

**Product:** No data available.  
**Components:**  
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate gene mutation test, OECD 476: , negative

**In vivo**

**Product:** No data available.  
**Components:**  
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate Micronucleus test, OECD 474, Oral, Mouse, Male, negative

**Reproductive toxicity**

**Product:** An Expert Judgment stated that no classification is necessary based on present knowledge.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.  
**Components:**  
N-butylbenzenesulphonamide Not classified  
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate Not applicable

**Information on health hazards****Other hazards**

**Product:** No toxicological tests have been conducted with the product itself.;

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish**

**Product:** No data available.  
**Components:**  
N-butylbenzenesulphonamide LC 50, Danio rerio, 96 h, 36.7 mg/l/OECD 203  
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate LC 50, Lepomis macrochirus (Bluegill sunfish), 96 h, 4.4 mg/l

**Aquatic Invertebrates**

**Product:** EL50, Water flea (Daphnia magna), 48 h, > 100 mg/l/OECD 202, This information is derived from evaluation of or a test result for a similar compound (conclusion based on analogy).

**Toxicity to Aquatic Plants**

**Product:** No data available.  
**Components:**



N-butylbenzenesulphonamide	EC 50, Algae ( <i>Pseudokirchneriella subcapitata</i> ), 72 h, 83 mg/l, OECD 201
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	EC 50, Algae ( <i>Pseudokirchneriella subcapitata</i> ), 72 h, 0.705 mg/l

**Toxicity to microorganisms**

<b>Product:</b>	No data available.
<b>Components:</b>	
N-butylbenzenesulphonamide	EC 50, activated sludge, 3 h, > 6,000 mg/l, OECD 209
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	EC 50, activated sludge, 3 h, > 100 mg/l

**Chronic hazards to the aquatic environment:****Fish**

<b>Product:</b>	No data available.
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**Aquatic Invertebrates**

<b>Product:</b>	No data available.
<b>Components:</b>	
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	NOEC, <i>Daphnia magna</i> , 21 d, 0.23 mg/l

**Toxicity to microorganisms**

<b>Product:</b>	No data available.
<b>Components:</b>	
N-butylbenzenesulphonamide	EC 50, activated sludge, 3 h, > 6,000 mg/l, OECD 209
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	EC 50, activated sludge, 3 h, > 100 mg/l

**Persistence and Degradability****Biodegradation**

<b>Product:</b>	No data available.
<b>Components:</b>	
N-butylbenzenesulphonamide	12 - 23 %, 28 d, OECD 301 B, The product is not biodegradable., aerobic
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	24 %, 28 d, The product is not biodegradable., CO2 Evolution Test

**BOD/COD Ratio**

<b>Product:</b>	No data available.
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**Bioaccumulative potential****Bioconcentration Factor (BCF)**

<b>Product:</b>	No data available.
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**Partition Coefficient n-octanol / water (log K<sub>ow</sub>)**

<b>Product:</b>	, No data available. Not required by safety or application considerations.
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**Mobility in soil:**

**Product:** No data available.

**Results of PBT and vPvB assessment:**

**Product:** No data available.

**Other adverse effects:**

**Other hazards**

**Product:** No ecotoxicological data is available for this product.

**13. Disposal considerations**

**Disposal methods:** Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

**Contaminated Packaging:** Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

**14. Transport information**

**Domestic regulation**

**49 CFR**

Not regulated as a dangerous good

Remarks : Not dangerous according to transport regulations.

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

**15. Regulatory information**

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Not classified

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

**US State Regulations**

**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**Inventory Status:**

<b>Australia Industrial Chem. Act (AIC):</b>	On or in compliance with the inventory
<b>Canada DSL Inventory List:</b>	On or in compliance with the inventory
<b>China Inv. Existing Chemical Substances:</b>	On or in compliance with the inventory
<b>Japan (ENCS) List:</b>	On or in compliance with the inventory
<b>Korea Existing Chemicals Inv. (KECI):</b>	E (special case) Polymer Exemption under K-REACH. Valid only for specific importer.
<b>New Zealand Inventory of Chemicals:</b>	On or in compliance with the inventory
<b>Philippines PICCS:</b>	On or in compliance with the inventory
<b>Taiwan Chemical Substance Inventory:</b>	On or in compliance with the inventory Pre-registration is requested for specific importer.
<b>US TSCA Inventory:</b>	On or in compliance with the inventory Commercial Status: Active
<b>Switzerland New Subs Notified/Registered:</b>	On or in compliance with the inventory

<b>EINECS, ELINCS or NLP:</b>	On or in compliance with the inventory EU-REACH compliant for Evonik Operations GmbH and its affiliates as EU manufacturer/EU importer.
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**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

<b>Health</b>	<input type="text" value="1"/>
<b>Flammability</b>	<input type="text" value="1"/>
<b>Physical Hazards</b>	<input type="text" value="0"/>
<b>PERSONAL PROTECTION</b>	<input type="text"/>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**Version #:** 3.0  
**Generation date:** 06/10/2024  
**Date of first report version:** 11/04/2019

**Abbreviations and acronyms:**

AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; 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 maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further Information:** No data available.

**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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