

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 30.11.2023

Version: 5.00 (replaces version 4.02)

Revision: 22.08.2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** **STIHL Blasting granulate SB 90**  
**[19.03.2019]****Chemical Identification:**

Ashes (residues), coal

Synonyms: Boiler granulate, boiler slag, slag granulate

**EC No**

931-322-8

**Registration number** 01-2119491179-27-XXXX**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Blasting grit**Uses advised against** There is currently no information available on this.**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:****Supplier:**

United Kingdom

ANDREAS STIHL LTD. | Contra House | Oak Close | Camberley, Surrey, GU15 3FG | Great Britain

telephone: +44 1276 20202 | E-Mail: enquiries@stihl.co.uk

Ireland

ORIGO | Unit 23, Magna Drive, Magna Business Park | City West | Dublin 24 | Ireland

telephone: +353 1 4666 700 | E-Mail: sales@origo.ie

**Manufacturer:**

ANDREAS STIHL AG &amp; Co.KG | Badstr. 115 | 71336 Waiblingen | Germany

telephone: +49 (0)6071 3055358 | E-Mail: kundenservice@stihl.de

**Further information obtainable from:** E-Mail: kundenservice@stihl.de**1.4 Emergency telephone number:****In England and Wales:** dial **111** (NHS 111)**In Scotland:** dial **111** (NHS 24)**In N Ireland:** Contact your local GP or pharmacist during normal hours;  
click here ( [www.gpoutofhours.hscni.net](http://www.gpoutofhours.hscni.net) ) for GP services Out-of-Hours.**In Republic of Ireland:**Healthcare Professionals: **+353 (01) 809 2566** (24 hour service)Members of Public: **+353 (01) 809 2166** (8.00 a.m. to 10.00 p.m. 7 days a week)**Germany:** **+49 (0) 89 19240** (Poison Centre Munich)**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the GB CLP regulation.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Precautionary statements****2.3 Other hazards****Results of PBT and vPvB assessment****PBT:**

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

**vPvB:**

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.

**Determination of endocrine-disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK REACH Article 57(f) 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****CAS No. Description**

Ashes (residues), coal

**Identification number(s)**

EC No 931-322-8

**Additional information:**

Purity: 100 % (UVCB)

The UVCB substance consists of glassy/amorphous substance and minerals. The chemical composition is usually analyzed elementarily and reported in the form of oxides, e.g. SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub>, CaO.

Any entry in the EC-column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air.**After skin contact:** Wash the areas of skin affected with water and a mild detergent.**After eye contact:**

Possible discomfort is due to foreign substance effect.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

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

No further relevant information available.

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

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

The product is not flammable.

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:**

The normal measures for firefighting are to be taken.

Do not enter the hazardous area without a self-contained breathing apparatus.

See Section 8 for information on personal protection equipment.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Avoid formation of dust.

**For non-emergency personnel**

The usual precautionary measures are to be adhered to when handling chemicals.

**For emergency responders** Wear protective equipment. Keep unprotected persons away.**6.2 Environmental precautions:**

No special measures required.

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose of the material collected according to regulations.

Avoid formation of dust.

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### 6.4 Reference to other sections

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Prevent formation of dust.  
No special precautions are necessary if used correctly.  
**Information about fire - and explosion protection:** No special measures required.

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

**Storage:**  
**Requirements to be met by storerooms and receptacles:** No special requirements.  
**Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Observe local/state/federal regulations.  
**Further information about storage conditions:**  
Store in dry conditions.  
Store under lock and key and out of the reach of children.  
**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

#### Dust, respirable

#### General Exposure limit for dust

LV - IRELAND (Ireland)	Long-term value: 4 mg/m <sup>3</sup>
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#### Dust, inhalable

#### General Exposure limit for dust

LV - IRELAND (Ireland)	Long-term value: 10 mg/m <sup>3</sup>
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### 8.2 Exposure controls

#### Suitable technical control devices

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

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

#### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

#### Respiratory protection:

Requirements for abrasive blasting operations must be respected!

Dust-protection mask if there is a risk of dust formation.

The following breathing protection is recommended:

(P1 / FFP1)

#### Hand protection

Requirements for abrasive blasting operations must be respected!

Wear gloves for the protection against mechanical hazards according to EN 388.

#### Eye/face protection

Requirements for abrasive blasting operations must be respected!

Safety glasses

[EN 166]

**Body protection:** Requirements for abrasive blasting operations must be respected!

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Physical state</b>	Solid
<b>Colour:</b>	Black
<b>Odour:</b>	Odourless
<b>Melting point/freezing point:</b>	Not applicable
<b>Boiling point or initial boiling point and boiling range</b>	Not applicable
<b>Flammability</b>	Product is not flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Flash point:</b>	Not applicable.
<b>Decomposition temperature:</b>	Not applicable
<b>pH (100 g/l) at 20 °C</b>	<10
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable.
<b>Solubility</b>	
<b>water:</b>	< 0.1 g/l (1:10)
<b>Partition coefficient n-octanol/water (log value)</b>	Not applicable
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density:</b>	2.2 - 2.7 g/cm <sup>3</sup> (EN 1097-6)
<b>Bulk density:</b>	1.0 - 1.6 g/cm <sup>3</sup> (EN 1097-3)
<b>Vapour density</b>	Not applicable
<b>Particle characteristics</b>	Grit: 0,2 - 1,0mm Mohs hardness: 6/7

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Granulate
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not applicable.

#### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- 10.1 Reactivity** No dangerous reactions known.  
**10.2 Chemical stability** Stable under normal conditions.

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- 10.3 Possibility of hazardous reactions** No dangerous reactions known.  
**10.4 Conditions to avoid** See Section 7 for information on safe handling.  
**10.5 Incompatible materials:** No further relevant information available.  
**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:** Based on available data, the classification criteria are not met.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

#### Additional toxicological information:

**Repeated dose toxicity** Based on available data, the classification criteria are not met.

#### 11.2 Information on other hazards

##### Endocrine disrupting properties

According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with health effects.

Substance is not listed.

### SECTION 12: Ecological information

**12.1 Toxicity** There are no ecotoxicological data available on this mixture.

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

#### 12.5 Results of PBT and vPvB assessment

##### PBT:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

##### vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB

#### 12.6 Endocrine disrupting properties

According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.

**12.7 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste classified as hazardous according to Annex III to Directive 2008/98/EC.

**Recommendation** Waste must be disposed of while observing the local, official regulations.

#### European waste catalogue

12 01 17	waste blasting material other than those mentioned in 12 01 16
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**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**

**14.1 UN number or ID number**  
ADR/RID/ADN, IMDG, IATA

Void

**14.2 UN proper shipping name**  
ADR/RID/ADN, IMDG, IATA

Void

**14.3 Transport hazard class(es)**  
ADR/RID/ADN, ADN, IMDG, IATA  
Class

Void

**14.4 Packing group**  
ADR/RID/ADN, IMDG, IATA

Void

**14.5 Environmental hazards:**  
**Marine pollutant:**

No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**UN "Model Regulation":**

Void

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Related CAS number:

68476-96-0 (slags, coal)

**European Directives:****Directive 2010/75/EU (VOC)** not subject to**Catégorie SEVESO (DIRECTIVE 2012/18/EU)** not subject to**National regulations:****Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Date of previous version:** 22.04.2021**Version number of previous version:** 4.02**Abbreviations and acronyms:**

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = lethal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ATE: acute toxicity estimate

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

**\* Data compared to the previous version altered.**