

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision: 12/5/2025

**esplas H60, H130**

Product code: KSL0018

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

esplas H60, H130

#### Further trade names

esplas H60, H130

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Separation and test dust

Industrial plastic granulate as a powdered release agent (e.g. for storing flat glass) which is washed off before the products are reused. (Further possible use: industrial plastic granulate for mechanical deburring in closed systems.) Use exclusively in closed industrial processes. Intentional release into the environment is not permitted (see REACH Annex XVII, entry 78, paragraph 4(a)).

#### Uses advised against

Use outside closed systems. Applications with potential release into the environment.

### 1.3. Details of the supplier of the safety data sheet

Company name: KSL staubtechnik gmbh

Street: Westendstraße 11

Place: D-89415 Lauingen

Telephone: +49 (0) 9072 95 00-0

Telefax: +49 (0) 9072 95 00-50

E-mail: info@ksl-staubtechnik.de

Contact person: Dr. R. Stadler

Telephone: +49 (0) 9072 95 00-0

E-mail (Contact person): info@ksl-staubtechnik.de

Internet: www.ksl-staubtechnik.de

### 1.4. Emergency telephone number:

+49 (0) 9072 / 95 00-0 (Availability: Mon-Thu 08:00-16:00, Fri 08:00-12:00)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Additional advice on labelling

Label elements: none.

### 2.3. Other hazards

May form explosible dust-air mixture if dispersed.

May form explosible dust-air mixture if dispersed.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
9011-14-7	Polymethyl methacrylate			99,8%

Full text of H and EUH statements: see section 16.

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

If symptoms persist, it is advisable to consult a doctor. Tell the doctor what substance/product was involved and what measures were taken.

#### After inhalation

Provide fresh air.

#### After contact with skin

Wash off with soap and water. After contact with molten product, cool skin area rapidly with cold water.

#### After contact with eyes

Rinse the eye under running water for 15 minutes, keeping the eyelids wide open, while protecting the uninjured eye. Medical treatment necessary.

#### After ingestion

Rinse mouth thoroughly with water. Spit out the liquid.

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

Dust can cause irritation to the eyes and respiratory tract (due to foreign bodies).

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet Foam Extinguishing powder Carbon dioxide

#### Unsuitable extinguishing media

Powder and water jet: risk of dust cloud mixture

### 5.2. Special hazards arising from the substance or mixture

May form combustible dust concentrations in air.

Prolonged heating above 250°C may result in the formation of hazardous decomposition products (e.g. methyl methacrylate, oxidised hydrocarbons, carbon monoxide, carbon particles). Inhalation of vapours in high concentrations may irritate the respiratory tract.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Take precautionary measures against static discharge. Avoid dust formation.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Avoid dust formation. Do not breathe dust.

#### For non-emergency personnel

Wear protective clothing as described in Section 8. Follow the instructions for safe handling as described in Section 7. Remove sources of ignition, ensure adequate ventilation and avoid dust formation.

#### For emergency responders

Emergency plans are not required. However, respiratory protection is necessary in case of high dust exposure.

### 6.2. Environmental precautions

Do not discharge aqueous suspensions directly into water. Do not allow to enter water, soil or sewage system.

Drinking water may be contaminated only if very large quantities enter the ground and water; in this case, notify the authorities.

### 6.3. Methods and material for containment and cleaning up

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**For containment**

Avoid generating dust.

**For cleaning up**

Pick up or vacuum the mixture mechanically and collect it in the designated container for disposal in accordance with local regulations. Use tested industrial vacuum cleaners or suction systems for potentially explosive areas.

**Other information**

Blowing off for cleaning purposes is not permitted.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid dust formation and accumulation. Take precautionary measures against static discharge.

**Advice on protection against fire and explosion**Take precautionary measures against static discharges. Avoid dust formation. Keep away from sources of ignition  
- No smoking. In case of fire, cool endangered product with water.**Advice on general occupational hygiene**

When using do not eat, drink, smoke, sniff. Wash hands after use/contact. Wear a dust mask and safety goggles in dusty atmospheres.

**Further information on handling**

Only sweep with a suitable broom. For cleaning, use suitable methods such as vacuum suction that are as dry as possible and do not cause dust to form.

Do not allow to enter waterways, sewage systems or the ground.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store in a dry place, tightly sealed, preferably in the original container.

**Hints on joint storage**

Not together with explosive and/or fire-promoting substances.

**Further information on storage conditions**

Store containers in a dry place.

**7.3. Specific end use(s)**

Separation and test dust

Industrial plastic granulate as a powdered release agent (e.g. for storing flat glass) which is washed off before the products are reused. (Further possible use: industrial plastic granulate for mechanical deburring in closed systems.) Use exclusively in closed industrial processes. Intentional release into the environment is not permitted (see REACH Annex XVII, entry 78, paragraph 4(a)).

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

**8.2. Exposure controls****Appropriate engineering controls**

A combination of technical and individual protective measures is often necessary to comply with occupational exposure limits. Recommended measurement methods for workplace measurements: See the series of publications by the employers' liability insurance association. Technical control measures and individual protective measures are recommended for the identified uses (section 1.2).

Ventilate as necessary to control dust in the air. Use an explosion-proof ventilation system if there is a high

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concentration of dust in the air.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Wear closed safety goggles in accordance with EN 166 if dust is generated.

### Hand protection

May cause slight irritation to sensitive individuals due to mechanical friction on the skin. If necessary, wear protective gloves in accordance with standard EN 374.

### Skin protection

No personal protective equipment is necessary when used as intended. Handle the product in accordance with the safety instructions.

### Respiratory protection

If exposure limits are exceeded (e.g. when handling powdered product in the open air), a suitable respirator with P1 or P2 particle filter in accordance with standard 143 must be worn, depending on the dust exposure.

### Thermal hazards

Hygiene measures: Do not eat, drink or smoke at work. Wash hands and shower if necessary before breaks and at the end of work. Avoid contact with eyes and skin. After work, workers should wash or shower and use skin care products. Clean contaminated clothing, shoes, watches, etc. before reuse.

### Environmental exposure controls

See sections 6 and 7. No further action required.

## SECTION 9: Physical and chemical properties

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

Physical state:	solid
Colour:	varying
Odour:	weakly characteristic
Odour threshold:	not applicable
Melting point/freezing point:	105-180° C /no information °C
Boiling point or initial boiling point and boiling range:	not applicable
Flammability:	no data available
Lower explosion limits:	$\geq 30$ g/m <sup>3</sup>
Upper explosion limits:	not applicable
Flash point:	not applicable
Auto-ignition temperature:	> 350 °C
Decomposition temperature:	> 260 °C
pH-Value:	not applicable
Viscosity / kinematic:	not applicable
Water solubility:	insoluble
Solubility in other solvents	
soluble in various organic solvents	
Partition coefficient n-octanol/water:	no data available
Vapour pressure:	not applicable
Density (at 20 °C):	> 1 g/cm <sup>3</sup>
Relative density:	not applicable
Relative vapour density:	not applicable
Particle characteristics:	X50 value: 40µm - 200µm

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

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Dust explosive, Dust explosion category: ST 1 Pmax: ca. 7,5 barÜ / KSt: ca. 100 bar \* m/s

Oxidizing properties

The product is not: oxidising.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

Dust explosion hazard with dust-air mixtures

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazard under normal storage conditions.

### 10.4. Conditions to avoid

The temperature > 105° C

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

None when used as intended.

## 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.

#### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation dust/mist) > 5 mg/l

#### **Irritation and corrosivity**

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

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

#### **Sensitising effects**

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

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

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.

#### **Information on likely routes of exposure**

Irritation of the eyes or respiratory tract due to foreign bodies is possible.

### 11.2. Information on other hazards

#### **Endocrine disrupting properties**

There are no known endocrine-disrupting properties or other harmful effects.

#### **Other information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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### SECTION 12: Ecological information

#### **12.1. Toxicity**

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

#### **12.2. Persistence and degradability**

The product has not been tested.

#### **12.3. Bioaccumulative potential**

The product has not been tested.

#### **12.4. Mobility in soil**

The product has not been tested.

#### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### **12.7. Other adverse effects**

No information available.

#### **Further information**

Avoid release to the environment.

Deliberate release into the environment is not permitted.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Can be disposed of in accordance with local authority regulations. The product can be disposed of with household waste or incinerated in accordance with the necessary technical regulations after consultation with the waste disposal company and the competent authority.

The product must be disposed of collectively after use. Do not dispose of in sewage or surface water.

Do not discharge into drains or the environment. Dispose of appropriately via industrial waste treatment.

Discuss the exact waste code with the waste disposal company.

Waste code according to the Waste Catalogue Regulation (AVV):

070213 - Waste plastic

##### **Contaminated packaging**

150106 - mixed packaging according to material recycling

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

##### **14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

##### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

##### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

##### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

#### **Inland waterways transport (ADN)**

##### **14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

##### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

##### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

##### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

##### **14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

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**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

Downstream user conditions or monitoring arrangements:

The product is not subject to the registration requirements of EC Regulation 1907/2006 (REACH).

This product is subject to the conditions set out in entry 78 of Annex XVII to Regulation (EC) No 1907/2006 (REACH).

Use in closed industrial systems - exempt from restriction.

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### National regulatory information

Water hazard class (D): - - non-hazardous to water

#### Additional information

TRGS 500 TRGS 900 Technische Anleitung zur Reinhaltung der Luft (TA-Luft) Regulation on occupational health care (ArbMedVV) BG principles for occupational health check-ups

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

EC/EEC: European Community/European Economic Community

EU: European Union

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%



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ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

M-factor: Multiplying factor

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

DGR: Dangerous Goods Regulations

ICAO: International Civil Aviation Organization

TI: Technical Instructions

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

### Key literature references and sources for data

We refer to information provided by raw material suppliers/manufacturers and the ECHA database on classification and labelling as sources for the most important data and technical information.

### Further Information

The information in this safety data sheet describes the safety requirements of our product and is based on our current state of knowledge. It does not constitute a guarantee of product properties and does not establish a contractual legal relationship. This safety data sheet is intended solely as a source of information for the user. It has been compiled with the utmost care; however, no guarantee can be given for the accuracy of the data, nor can any liability be accepted for the consequences of printing, typesetting or transmission errors. Existing laws, regulations and rules, including those not mentioned in this data sheet, must be observed by the recipient of our products on their own responsibility.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*