

SAFETY DATA SHEET

Global multi-region format (EU/UK/US/CA & other GHS jurisdictions)

Easypurge CT101 BSS – Concentrated purge compound (polyolefin-based, mineral filled)

Revision date: 08/11/2025

Version: 2.0 (Global)

Regulatory bases covered (template):

- **EU / EEA:** Regulation (EC) No 1907/2006 (REACH) as amended by Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 (CLP).
- **United Kingdom:** GB REACH; GB CLP (EU-derived).
- **United States:** OSHA Hazard Communication Standard, 29 CFR 1910.1200 (GHS aligned).
- **Canada:** Hazardous Products Act and Hazardous Products Regulations (WHMIS 2015, GHS aligned).
- **Other GHS jurisdictions:** To be checked and adapted to local legal references as needed.

IMPORTANT: This SDS is issued in English as a **multi-country base document**. Local language and country-specific legal references may be required for placing the product on individual markets.

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

1.1 Product identifier

- Product name: **Easypurge CT101 BSS**
- Product code: **CT101-BSS**
- Product type: **Mixture** (solid, pellets)
- UFI (EU/UK where applicable): **Not assigned**

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

- Identified uses:
 - **Concentrated purging compound** for cleaning thermoplastic processing equipment (injection moulding, extrusion, blow moulding).
- Uses advised against:
 - Use as a constituent of consumer products or final articles.
 - Use outside recommended processing temperature range (approx. **170–260 °C**) or in equipment not designed for thermoplastics.

1.3 Details of the supplier of the safety data sheet

- Company: **Qootzeer Innovation Lab S.L.**
- Address: Av. Real de Pinto 162, Nave N6, 28021 Madrid, Spain
- Phone: **+34 685 632 435**
- E-mail of competent person (SDS): **info@easypurge.com**

For US/Canada distributors, insert local contact details here if different.

1.4 Emergency telephone number

- Manufacturer emergency number: **+34 685 632 435** (business hours 09:00–18:00 CET, English/Spanish).
- EU/UK: Call local **Poison Centre / emergency services (112)**.
- US/Canada: Call **911** in case of acute emergency and/or local Poison Control Centre.
- Other countries: Contact local emergency number and Poison Centre as per national system.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

EU / UK (CLP):

- Not classified as hazardous according to Regulation (EC) No 1272/2008.

OSHA (US) / WHMIS (CA) / Other GHS systems:

- Product in solid pellet form is generally considered **non-hazardous** under GHS.
- Nuisance dust hazard may apply if material is mechanically ground or pulverised.

2.2 Label elements

EU / UK label (CLP):

- Pictograms: *None*
- Signal word: *None*
- Hazard statements: *None*
- Supplemental information:
 - **EUH-statements (non-CLP):**
 - *May form combustible dust-air mixtures when finely divided.*
 - *Molten material may cause thermal burns.*

US / Canada (GHS / WHMIS):

- Pictograms: *None required in supplied solid form*

- Signal word: *Not required*
- Hazard statements (recommended for dust/fume situations, not for pellets as supplied):
 - *May form combustible dust concentrations in air (if finely divided).*
 - *Hot molten material can cause thermal burns.*

2.3 Other hazards

- The mixture does not contain, at ≥ 0.1 % w/w:
 - substances meeting REACH Annex XIII criteria for **PBT or vPvB**, or
 - substances identified as **endocrine disruptors** under EU regulation, according to information available from suppliers.
- Not supplied in **nanofom** as defined under REACH; any particulate generation occurs only as secondary dust from handling pellets.
- Slipping hazard if pellets are spilled on floors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable – mixture.

3.2 Mixtures

Polymer-based masterbatch containing non-hazardous mineral fillers and functional additives.

Component group	Typical content (% w/w)	GHS / CLP classification	Notes
Polyolefin polymers (PE, PP and copolymers)	< 50 %	Not classified	Base matrix
Inorganic mineral filler (feldspathic / silicate family)	≤ 50 %	Not classified	Nuisance dust only when finely divided
Additives (lubricants, stabilisers, antioxidants, dispersants, etc.)	< 10 % total	Not classified or below cut-off limits	Proprietary

No intentionally added substances classified as hazardous to health or environment are present at or above the disclosure thresholds required under:

- REACH Annex II (EU/UK),
- OSHA HCS (US),
- WHMIS HPR (CA),

- or typical GHS-based national regulations.
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SECTION 4: First aid measures

4.1 Description of first aid measures

- **General:** If symptoms persist, seek medical advice and show this SDS.
- **Inhalation:** Move to fresh air. If irritation, coughing or breathing difficulties occur due to dust or fumes, get medical attention.
- **Skin contact (cold material):** Wash with soap and water. Seek medical attention if irritation occurs.
- **Skin contact (molten material):** Immediately cool with plenty of **cold water**. Do **not remove** solidified polymer from skin. Cover with sterile dressing. Seek **immediate medical attention**.
- **Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if large amounts are ingested or if discomfort occurs.

4.2 Most important symptoms and effects, both acute and delayed

- Mechanical irritation of eyes, skin or respiratory tract caused by dust.
- Thermal burns from molten polymer.
- Discomfort, headache or nausea after prolonged exposure to fumes.

4.3 Indication of any immediate medical attention and special treatment needed

- For skin contact with molten material, **specialised burn treatment** is required. Do not attempt to remove polymer. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable: **Water spray**, foam, dry chemical, carbon dioxide.
- Unsuitable: High-pressure water jets that may spread dust/pellets.

5.2 Special hazards arising from the substance or mixture

- Combustible solid.
- Fine dust can form **explosive dust-air mixtures**.
- Thermal decomposition may generate **CO, CO₂, smoke, hydrocarbons and irritant fumes**.

5.3 Advice for firefighters

- Wear **self-contained breathing apparatus (SCBA)** and full protective clothing.
 - Cool exposed material with water spray.
 - Avoid inhalation of fumes and smoke.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Risk of **slipping** on pellets.
- Avoid creating dust clouds; eliminate ignition sources if significant dust is present.
- Use PPE as indicated in Section 8.

6.2 Environmental precautions

- Prevent pellets and dust from entering drains, surface water or soil.
- Avoid uncontrolled release; pellets may be ingested by wildlife.

6.3 Methods and material for containment and cleaning up

- Collect mechanically (shovel, broom, industrial vacuum approved for combustible dust).
- Place into suitable labelled containers for reuse or disposal.
- Avoid dry sweeping of fine dust; use vacuum or wet methods where possible.

6.4 Reference to other sections

- See **Section 8** for PPE.
 - See **Section 13** for disposal.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Provide good **general ventilation**; use local exhaust where dust or fumes are generated.
- Avoid dust formation and accumulation on surfaces.
- Implement **static control** (grounding/bonding) where dust may be present.
- In purging operations:
 - Follow manufacturer's instructions.
 - Do not leave material at rest inside the screw/barrel at high temperature for long periods.

- Spread purged mass in thin layers to cool rapidly.
- Hygiene measures: Do not eat, drink or smoke while handling. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

- Store in original, closed packaging in a **dry, cool and well-ventilated** place.
- Protect from moisture, direct sunlight, heat sources and ignition sources.
- Keep away from **strong oxidizers**.
- Recommended storage temperature: ambient. Shelf life: typically **24 months** when properly stored.

7.3 Specific end use(s)

- Industrial purging compound for thermoplastic equipment as described in Section 1.2.
 - Refer to local **Technical Data Sheet (TDS)** for detailed processing and purging procedures.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The mixture contains no components with specific **EU or ACGIH OELs** at disclosure levels, except generic limits for nuisance dust:

Typical reference values for **particulates not otherwise classified (PNOC)**:

- Inhalable dust: 10 mg/m³ (8-h TWA)
- Respirable dust: 3 mg/m³ (8-h TWA)

Users must consult and comply with applicable **national/regional OELs** (EU, UK, US OSHA/ACGIH, Canada, etc.).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

- General ventilation and, when needed, **local exhaust** at processing points (feed hoppers, vents, moulding area, purging area).
- Capture and remove thermal fumes from extruders and injection machines.
- Regular housekeeping to prevent dust accumulation.

8.2.2 Individual protection measures

- **Eye/face protection:**
 - Safety glasses with side shields.
 - Face shield where splashing of molten polymer may occur.

- **Skin protection:**
 - Work clothing covering arms and legs.
 - Heat-resistant gloves and protective garments when handling hot/molten material.
- **Respiratory protection:**
 - Under normal conditions (pellet handling), not required.
 - If dust or fumes may exceed exposure limits, use a **NIOSH/EN approved respirator** with suitable filters (e.g. particulate P2/P3 or equivalent).
- **General hygiene:**
 - Wash hands after handling and before eating, drinking or smoking.
 - Remove contaminated clothing and wash before reuse.

8.2.3 Environmental exposure controls

- Prevent release of pellets/dust to the environment.
 - Implement measures to recover spilled material and manage waste according to Section 13.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Solid pellets
- Colour: Greenish-grey
- Odour: Slight, characteristic of polyolefin resins
- Odour threshold: Not determined
- pH: Not applicable (solid)
- Melting/softening range: Softens progressively over typical polyolefin range; exact range depends on grade
- Initial boiling point/boiling range: Not applicable (solid polymer)
- Flammability: Combustible solid
- Flash point: Not determined for solid mixture
- Auto-ignition temperature: Not determined
- Decomposition temperature: Thermal decomposition may start above approx. 260 °C
- Explosive properties: Not explosive as supplied; **combustible dust hazard** if finely divided

- Oxidising properties: Not oxidising
- Vapour pressure: Not applicable
- Vapour density: Not applicable
- Relative density / bulk density: Approx. 0.4–0.9 g/cm³ (bulk pellets)
- Solubility in water: Insoluble
- Partition coefficient n-octanol/water: Not applicable (polymeric mixture)
- Viscosity: Not applicable (solid)
- Particle characteristics: Pellets ~2–5 mm; secondary dust may form during handling.

9.2 Other information

- No other relevant safety-related physical or chemical properties identified.
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SECTION 10: Stability and reactivity

10.1 Reactivity

No reactive hazards known under recommended conditions.

10.2 Chemical stability

Stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions expected. Finely divided dust may form explosive dust-air mixtures.

10.4 Conditions to avoid

Excessive heat (> 260 °C), open flames, sparks, static discharge, and dust accumulation.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

During overheating or fire: **CO, CO₂, hydrocarbons, soot, irritating fumes.**

SECTION 11: Toxicological information

11.1 Information on hazard classes (GHS / CLP)

- Acute toxicity (oral, dermal, inhalation): Low toxicity; not classified.
- Skin corrosion/irritation: Not classified; dust may cause slight mechanical irritation.
- Serious eye damage/irritation: Not classified; dust may cause transient irritation.
- Respiratory or skin sensitisation: Not expected to be sensitising.

- Germ cell mutagenicity, carcinogenicity, reproductive toxicity: No components classified at relevant levels.
- STOT (single/repeated exposure): Not classified; thermal fumes may cause transient irritation.
- Aspiration hazard: Not applicable (solid).

Likely routes of exposure

Skin and eye contact, inhalation of dust or fumes.

Symptoms

Mechanical irritation, mild respiratory discomfort; thermal burns in contact with molten material.

Delayed and chronic effects

Long-term effects are not expected under normal industrial conditions of use. Prolonged exposure to high dust levels may aggravate pre-existing respiratory conditions.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

No ingredients with identified endocrine disrupting properties at ≥ 0.1 % according to currently available data.

11.2.2 Other information

No additional toxicological hazards identified.

SECTION 12: Ecological information

12.1 Toxicity

Not expected to be acutely toxic to aquatic or terrestrial organisms in pellet form.

12.2 Persistence and degradability

Polymeric components are persistent and degrade slowly in the environment.

12.3 Bioaccumulative potential

Low bioavailability; significant bioaccumulation is unlikely.

12.4 Mobility in soil

Insoluble; pellets show low mobility but may be transported mechanically (wind, water).

12.5 Results of PBT and vPvB assessment

No ingredients identified as PBT or vPvB at ≥ 0.1 %.

12.6 Endocrine disrupting properties

No ingredients with known endocrine disrupting properties relevant to the environment at ≥ 0.1 %.

12.7 Other adverse effects

Pellets may contribute to **microplastic pollution** if released; avoid uncontrolled dispersion.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product waste:
 - Prefer **recycling** where possible.
 - Otherwise dispose of as **non-hazardous plastic waste** via authorised waste contractor.
- Do not discharge into sewers or natural waters.
- Contaminated packaging:
 - Empty completely. Recycle or dispose of in accordance with local regulations.

Waste classification codes (EWC / RCRA etc.) must be assigned at the **user's site** according to actual use and contamination.

SECTION 14: Transport information

- UN number: **Not regulated**
 - UN proper shipping name: **Not regulated as dangerous goods**
 - Transport hazard class(es): Not applicable
 - Packing group: Not applicable
 - Environmental hazards: Not classified as marine pollutant / environmentally hazardous for transport
 - Special precautions for user: Prevent package damage and pellet loss; secure loads.
 - Transport in bulk according to IMO instruments: Not intended for bulk transport under IMO Codes.
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SECTION 15: Regulatory information

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

- **EU / EEA / UK:**
 - Complies with REACH/CLP classification principles. Not subject to authorisation under Annex XIV nor specific restriction under Annex XVII at relevant levels.
- **USA (federal):**
 - OSHA Hazard Communication Standard: Non-hazardous article/mixture in solid pellet form; SDS provided for industrial users' information.

- TSCA: Components are polymers and inorganic substances typically listed or exempt; users should verify TSCA status for their jurisdiction if needed.
- **Canada:**
 - WHMIS 2015 / HPR: Not classified as hazardous in supplied solid form.
 - DSL/NDSL: Components expected to be listed or exempt; verify for specific applications.
- **Other countries:**
 - Product is a polymeric mixture expected to be compliant with GHS-based regulations when handled according to this SDS. Local chemical inventory and labelling requirements must be checked before placing on market.

15.2 Chemical safety assessment

- No chemical safety assessment has been carried out for this mixture.

SECTION 16: Other information

Reason for issue:

- Conversion to **multi-region GHS/REACH global SDS format**, aligned with **Commission Regulation (EU) 2020/878** and suitable as base for US/CA and other GHS jurisdictions.

Abbreviations:

REACH, CLP, GHS, PBT, vPvB, ED, OEL, TWA, PNOC, SDS, TDS, OSHA, WHMIS, TSCA, DSL, SCBA, etc.

Training advice:

- Workers handling the product should receive training on:
 - safe handling of thermoplastic pellets,
 - purging procedures and high-temperature operations,
 - housekeeping and dust control,
 - emergency measures (burns, spills, fire).

Disclaimer:

This SDS is intended as a **global base document**. It provides safety information but does not replace country-specific legal requirements. The recipient must ensure compliance with all applicable national and regional regulations and adapt the present document (language, legal references, inventories, emergency numbers) as needed for each jurisdiction.