

Mixer

Company

House No., street
City, State, ZIP code
Country

Point of contact

Given name, family name
Department
Telephone
Fax
E-mail

☐ Ms.☐ Mr.

Title

Request no/reference► **Product information**

Number of components and their proportion of the weight

Product 1

Designation _____
Proportion of the weight _____ kg
Bulk weight _____ kg/dm³
Dumping angle _____ °
Grain size _____ mm
Moisture _____ % H₂O
Viscosity _____ (if applicable)
Temperature _____ °C

- ☐ Granular
☐ Powdery
☐ Coarse
☐ Pulverulent
☐ Other _____

Product characteristics

- ☐ Abrasive
☐ Caking
☐ Bridge-forming
☐ Chemically aggressive
☐ Electrostatically chargeable
☐ Aliphatic
☐ Hygroscopic
☐ Sticky
☐ Pourable
☐ Torrential
☐ Viscous
☐ Dusty
☐ Toxic
☐ Other _____

Product 2

Designation _____
Proportion of the weight _____ kg
Bulk weight _____ kg/dm³
Dumping angle _____ °
Grain size _____ mm
Moisture _____ % H₂O
Viscosity _____ (if applicable)
Temperature _____ °C

- ☐ Granular
☐ Powdery
☐ Coarse
☐ Pulverulent
☐ Other _____

Product characteristics

- ☐ Abrasive
☐ Caking
☐ Bridge-forming
☐ Chemically aggressive
☐ Electrostatically chargeable
☐ Aliphatic
☐ Hygroscopic
☐ Sticky
☐ Pourable
☐ Torrential
☐ Viscous
☐ Dusty
☐ Toxic
☐ Other _____

Product 3

Designation _____
Proportion of the weight _____ kg
Bulk weight _____ kg/dm³
Dumping angle _____ °
Grain size _____ mm
Moisture _____ % H₂O
Viscosity _____ (if applicable)
Temperature _____ °C

- ☐ Granular
☐ Powdery
☐ Coarse
☐ Pulverulent
☐ Other _____

Product characteristics

- ☐ Abrasive
☐ Caking
☐ Bridge-forming
☐ Chemically aggressive
☐ Electrostatically chargeable
☐ Aliphatic
☐ Hygroscopic
☐ Sticky
☐ Pourable
☐ Torrential
☐ Viscous
☐ Dusty
☐ Toxic
☐ Other _____

Mixer



► Is there material available for testing?

- Material for testing ☐ Yes ☐ No
- Safety data sheet available ☐ Yes ☐ No

► Information about the task

- Task ☐ Agglomerating ☐ Powdering
- ☐ Homogenizing ☐ Other _____
- Mode of operation ☐ Continuously ☐ Intermittently
- Design ☐ Dust-proof ☐ Other _____
- Operating pressure ☐ Unpressurized ☐ Gas-proof/pressure
- Batch size _____ l/m³ -proof up to _____ mbar

► Location of the mixer

- ☐ In the regular production area ☐ On the hall floor ☐ In a clean room
- ☐ On a pedestal ☐ Other _____
- ☐ in an earthquake zone ☐ not in an earthquake zone

► Maximum available floor space

- Length _____ mm
- Width _____ mm
- Height _____ mm

► Estimated filling height from the top of the floor to the bottom of the out-flow

_____ mm

► What is the procedure for the product in-feed and/or what elements are there upstream and downstream?

- ☐ Upstream _____
- _____
- _____
- ☐ Downstream _____
- _____
- _____

► **How should the shut-off elements for in-flow and out-flow be designed and/or how should they be equipped?**

- ☐ Manually
 ☐ Pneumatically
 ☐ Other _____

► **Parts that come into contact with the product**

- Raw material
- | | | |
|---------------------------------------|--------------|-------|
| <input type="radio"/> Stainless steel | Designation: | _____ |
| <input type="radio"/> Mild steel | Designation: | _____ |
| <input type="radio"/> Other | Designation: | _____ |

- Surface treatment
- | | |
|--|---|
| <input type="radio"/> Sandblasted SA 2 ½ | <input type="radio"/> Pickled and passivated |
| <input type="radio"/> Glass bead blasted | <input type="radio"/> Polished electrolytically |
| <input type="radio"/> Polished grain | <input type="radio"/> Coated _____ |
| Max. roughness depth _____ µm | <input type="radio"/> Other _____ |

► **Parts that do not come into contact with the product**

- Raw material
- | | | |
|---------------------------------------|--------------|-------|
| <input type="radio"/> Stainless steel | Designation: | _____ |
| <input type="radio"/> Mild steel | Designation: | _____ |
| <input type="radio"/> Other | Designation: | _____ |

- Surface treatment
- | | |
|--|---|
| <input type="radio"/> Sandblasted SA 2 ½ | <input type="radio"/> Pickled and passivated |
| <input type="radio"/> Glass bead blasted | <input type="radio"/> Polished electrolytically |
| <input type="radio"/> Polished grain | <input type="radio"/> Coated _____ |
| Max. roughness depth _____ µm | <input type="radio"/> Other _____ |

► **1. General**

In which zone will the installation be deployed?

- ☐ Gas, vapor or mist
 ☐ dust

► **continue to section 2**

► **continue to section 3**

Note:

Our machines are designed for gas and dust Ex-Zones. A process-related intermixing of zones (hybrid mixture) causes deviations from the key explosion-relevant data (e.g. minimum ignition temperature, minimum ignition energy). This must be taken into consideration in the design of the machine. Should this be the case, please contact us.

► 2. Gas, vapor or mist

ATEX zone internal (product chamber)

- ☐ 2 ☐ 1 ☐ 0 ☐ none

ATEX zone external (installation site)

- ☐ 2 ☐ 1 ☐ none

Temperature class

- ☐ T1 ($\leq 450\text{ }^{\circ}\text{C}$) ☐ T2 ($\leq 300\text{ }^{\circ}\text{C}$) ☐ T3 ($\leq 200\text{ }^{\circ}\text{C}$)
☐ T4 ($\leq 135\text{ }^{\circ}\text{C}$) ☐ T5 ($\leq 100\text{ }^{\circ}\text{C}$) ☐ T6 ($\leq 85\text{ }^{\circ}\text{C}$)

Explosion group (applicable for gases, vapors, mists)

- ☐ IIA (e.g. propane) ☐ IIB (e.g. ethylene) ☐ IIC (e.g. hydrogen)

► 3. Dust

ATEX zone internal (product chamber)

- ☐ 22 ☐ 21 ☐ 20 ☐ none

ATEX zone external (installation site)

- ☐ 22 ☐ 21 ☐ none

Maximum permissible surface temperature (T)

_____ °C Optional: glow temperature _____ °C
ignition temperature _____ °C

Explosion group (applies to dusts with a minimum ignition energy of > 3 mJ)

- ☐ IIIA (combustible lint and fibers) ☐ IIIB (non-conductive dust) ☐ IIIC (conductive dust)

► 4. Supplementary information regarding the drive

Motor ignition protection category (does not apply for vibration motors)

- ☐ Pressure resistant enclosure Ex d ☐ Increased safety Ex e

Mixer



► Should the mixer be provided with a spraying unit for liquid or cleanser?

☐ Yes ☐ No

► Is design in line with GMP and in accordance with EU guidelines required?

☐ Yes ☐ No

► What guidelines have to be considered when using materials with product contact?

☐ none ☐ EU2023/2006 ☐ EU1935/2004
☐ FDA ☐ EU10/2011 ☐ Other _____

► Control and power supply

Operating voltage _____ V
 Frequency _____ Hz

If applicable/available:

Voltage type ☐ IT network earthing system ☐ TN-S network
 Control voltage ☐ Alternating voltage _____ V ☐ Direct current voltage
 Auxiliary energy ☐ Compressed air _____ bar
☐ Nitrogen _____ bar

Type of protection IP _____

Additional information _____

► Should the machine control or system control be offered as well?

☐ Yes ☐ No

Raw material ☐ Stainless steel Designation: _____
☐ Mild steel Designation: _____
☐ Other Designation: _____

Comments _____

Mixer



► Notes

► Attachments

► Quotation submission by

Info for using this request form:

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