

# REACH-Exposure Scenario

## Downstream use of PM Production



Template  
Revision: 5

Issue: April 2009

European Powder  
Metallurgy Association

End application made at your site:		<b>1 Packed Powder Mixing</b>				Raw Material: See list of Substances for MMQ.xls REACH Status: Downstream use of substances			
Process Step		Workplace Exposure Route of exposure to humans				Environmental Exposure Emission to environment			
N°	Description See Table 2	Inhalation	Oral	Dermal	RMM in use See Table 1	Air	Water	Soil	RMM in use
1	Raw material handling	yes	yes	yes	LEV, C, RPEum, FPQM, PC, GPuv	yes	none	none	F98% SC
2	Mixing	none	none	none	-	none	none	none	-
3	Weighing and Packing	yes	yes	yes	LEV, C, RPEum, FPQM, PC, GPuv	yes	none	none	F98% SC
4	Cleaning and Maintenance	yes	yes	yes	LEV, C, RPEum, FPQM, PC, GPuv	yes	none	none	F98% SC

### Operational Condition (OC)

**Quality and Quantity of material used:** See *List of Substance Packed Powder Mixes*

**Physical form (e.g. particle, gaseous media):** Particle

**Temperature:** Room Temperature

**Annual operating days (days/year):** 365

**Number of working hours per day (hours/day):** 24/day

**Number of shifts per day:** 3

**Number of employees involved in the process steps (see above):** NA

**Frequency and duration (e.g. numbers of workers exposed and the time they are exposed and also how frequently are they exposed):** NA

### 1 Table of Risk Management Measures (RMM) in use

Type of Risk Management Measures – <u>Environment</u>	RMM in use (Codes) (Delete whichever does not apply)	Efficiency (if possible, provide a quantitative figure)
<b>To Air:</b>		
Fabric or bag filters	F	98% : F98%
Other:		
<b>To control general diffuse site emissions:</b>		
Storage coverage	SC	
Other:		
Type of Risk Management Measures – <u>Workers</u>	RMM in use (Codes) (Delete whichever does not apply)	Efficiency (if possible, provide a quantitative figure)
Local Exhaust Ventilation (LEV)	LEV	
Cleaning of site	C	
• Respiratory protection	Pattern of use mandatory: RPEum	Mandatory : RPEum

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equipment (RPE): Pattern of use (mandatory, voluntary, not required?)	Pattern of use voluntary: RPEuv Pattern of use not required: RPEunr	
• Face piece (e.g. quarter mask)	FP	Quarter Mask: FPQM
• Protection class (particles)	PC	
• Gloves (G): Pattern or use (mandatory, voluntary, not required?)	Pattern of use mandatory: GPum Pattern of use voluntary: GPuv Pattern of use not required: GPunr	Voluntary: GPuv
• Type of glove (description)		
• Other (please specify):		

### Comments:

none

### 2 Table of Process Steps Full Descriptions

Process Step		
N°	Description	Full Description
1	Raw material handling	The raw materials are transported in closed containers to dosing and weighing station. Manually filling of Substance (see list of Substances for MMQ) into a hopper under local exhaust ventilation system. Filling from hopper into the mixer in a closed system.
2	Mixing	
3	Weighing and Packing	
4	Cleaning and Maintenance	Vacuum cleaning in the packing station and of other facilities.

### 3 Glossary

Term	English	French	German
RPE	Respiratory Protective Equipment	Equipelement protecteur respiratoire (EPR)	Atenschutztausrüstung
PPE	Personal Protective Equipment	Equipelement protecteur personnel (EPP)	persönliche Schutztausrüstung
LEV	Local Exhaust Ventilation	Ventilation externe locale (VEL)	Absauganlage
RMM	Risk Management Method	Méthode de management du risque (MMR)	Risikomanagementmaßnahme
um	use mandatory	Utilisation obligatoire	Pflichtanwendung
uv	use voluntary	Utilisation volontaire	Freiwillige Anwendung
unr	use not required	Utilisation non requise	Anwendung nicht erforderlich
QM	quarter mask		
C	cleaning	Nettoyage	Reinigung

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