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Welding consumables:	Coated stick electrodes, low alloy	Date : 20.12.2010

8. Limits of exposure and personal safety equipment	
8.1 Additional information for the design of technical installations	<i>The measures according to 7.1 have to be respected..</i>
8.2 Ingredients with limits to be examined depending on the working place	
Designation of substance	CAS-Nr. Limit
Fluoride	7664-39-3 2.5 mg/m ³ (MAK) in total dust
Manganese	7439-96-5 0.5 mg/m ³ (MAK) in total dust
Fine dust	- 1.5 mg/m ³ (MAK)
Total dust	- 4 mg/m ³ (MAK)
8.3 Personal safety equipment	
Breathing, hand, eye, body protection:	<i>see UVV (VBG 15), § 27</i>
Protection and hygiene measures:	<i>Do not eat, drink or smoke in the working room.</i>
9. Physical and chemical characteristics	
Exterior aspect	<i>Powder coated stick electrode</i>
Safety-related data:	<i>not applicable</i>
10. Stability and reactivity	<i>Avoid contact with acids and bases. Product stable up to 800 °C.</i>
11. Information on toxicology	<i>see item 3.</i>
12. Information on ecology	<i>Using exhaust systems the limits of the technical instruction (TA) „Air“ are applicable. For further information see item 15.</i>
13. Information on disposal (waste)	
Product:	
Recommendation:	<i>Dusts and particles depositing in exhaust systems: Disposal according to legal regulations. Customary metal scrapping of the products is possible.</i>
Key number for waste disposal.	<i>100805 solid waste from gas cleaning 120 103 Chips and parts containing non-ferrous metals 150229D Exhaust and filter material with noxious contaminations</i>
Uncleaned packaging:	<i>Disposal via recycling as not contaminated</i>
Cardboard boxes:	<i>Disposal via recycling as not contaminated</i>
Plastics:	
14. Information on transport	
Comments:	<i>The product is not a hazardous product as defined by the transport instructions</i>
15. Instructions	
15.1 Marking	none
Key letter:	<i>not applicable</i>
Danger designation:	<i>not applicable</i>
R-Codes:	<i>not applicable</i>
S-Codes:	<i>not applicable</i>
15.2 National instructions	
Information on employment restrictions:	<i>not applicable</i>
Incident V:	<i>not applicable</i>
Classification according to VbF:	<i>not applicable</i>
Technical instruction "Air":	<i>5 mg/m³ with a mass flux of > 25 g/h</i>
Water hazard class:	<i>Hazards not to be expected</i>
Other instructions:	<i>not known</i>

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16. Further information	<p><i>Documentation:</i></p> <ul style="list-style-type: none"> - <i>Unfallverhütungsvorschrift (instructions for avoiding accidents) (VBG 15): Schweißen, Schneiden und verwandte Verfahren (Welding, Cutting and related processes)</i> - <i>DVS-Merkblatt (German Association of Welding Technique instruction) 1201: Absaugung an Schweißarbeitsplätzen (Exhaust systems at welding working places)</i> - <i>DVS-Faltblätter zum Arbeitsschutz beim Schweißen (DVS brochures for working safety in welding)</i> - <i>DVS-Fachbuch (book): Unterweisung von Schweißern im Arbeitsschutz (Instructions on working safety for welders)</i> - <i>Kraume, Zober: Arbeitssicherheit und Gesundheitsschutz in der Schweißtechnik (Working safety and health protection in welding)</i>
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