			<b>ETY DATA SHEET</b> C Regulation n <sup>0</sup> 1907/2006)	Page nr.: 1 / 3	
Weld	Welding consumables: Coated stick		k electrodes, low alloy	Date : 20.12.2010	
1.	Product and company	designation OEPI	IKON KAYNAK ELEKTRODLARI		
ı. 1.1	Information on the pro-	-			
	Trade names:	Judet			
ESR ESC ESC ESC ESC ESC EM 2 EM 2 ESB ESB	70     ESH       70G     ESH       80G     ESH       60     EM       12     EM       11     EM       22     EM       42     ESF	201 EM 160 253 EM 165 255 ESB 40 213 ESR 13M			
1.2	Information on produc	cer/supplier	Oerlikon Kaynak Elektrodları ve S Organize Sanayi Bölgesi 2.Kısım Manisa / TURKEY Telephone: Fax: Emergency telephone:		
2.	Composition/Information on ingredients Description: Dangerous ingredients: CAS-Nr.: Designation: Content [% by weight]: Key letter of the danger symbol: R-Code:		The products contain less than 1 % by weight of nickel and less that 5 % by weight of chromium. The products <b>do not</b> contain <b>any</b> dangerous substances. not applicable not applicable not applicable not applicable not applicable		
3.	Eventual dangers Designation of dangers:		Welding and grinding cause smoke and dust. Irritative sub- stances such as fluorides and manganese oxides as well as fine dust may be caused (mostly iron oxide).		
4.	First Aid measures General information After inhalation: After skin contact: After eye contact: After swallowing:		Breathe deeply in fresh air, consult physician in case of great quantities of smoke. Wash skin concerned thoroughly with soap. Rinse for several minutes under running water with palpebral fissure well opened and eventually consult physician. not applicable		
5.	Measures for fire fight Suitable fire-extinguishi	ng materials	Not applicable, as the products are neither inflammable nor explosive. not applicable, in case of external fire: all		
6.	Measures in case of u		not applicable		
7. 7.1	Handling and storage Handling Information for safe har		The UVV (German regulations f 15) have to be respected.	or avoiding accidents) (VBG	
7.2	Storage	ouses/containers:	No special requirement for safety	reasons	

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

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16.	Further information	<ul> <li>Documentation:</li> <li>Unfallverhütungsvorschrift (instructions for avoiding accidents) (VBG 15): Schweißen, Schneiden und verwandte Verfahren (Welding, Cutting and related processes)</li> <li>DVS-Merkblatt (German Association of Welding Technique instruction) 1201: Absaugung an Schweißarbeitsplätzen (Exhaust systems at welding working places)</li> <li>DVS-Faltblätter zum Arbeitsschutz beim Schweißen (DVS brochures for working safety in welding)</li> <li>DVS-Fachbuch (book): Unterweisung von Schweißern im Arbeitsschutz (Instructions on working safety for welders)</li> <li>Kraume, Zober: Arbeitssicherheit und Gesundheitsschutz in der Schweißtechnik (Working safety and health protection in welding)</li> </ul>		