

Tests required for anhydrous forms	Tests required for solutions	Tests required for hydrates	Comments
Self-ignition			
Flammability - Burning rate if less than 2mm			
Flammability - Burning rate		melting point	
oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)		Self-ignition dependent on mpt	
		Flammability - Burning rate	
		oxidising props = waiver based on data from worst case = 85392-65-0	
		Melting point	Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
		Self-ignition	
		Flammability - Burning rate	
		oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)	
	Flash point		Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	Explosivity = waiver based on data from worst case = 64513-98-9 (testing not required)		
	oxidising props = waiver based on data from worst case = 34513-98-9 (testing not required)		
Melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
Self-ignition			
Explosivity = waiver based on data from 64513-98-9			
Flammability - Burning rate			
oxidising props = waiver based on data from 10489-46-0			
Self-ignition			
Flammability - Burning rate			
oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Self-ignition		melting point	
Flammability - Burning rate		Self-ignition dependent on mpt	
oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)		Flammability - Burning rate	
		oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)	
	Flash point		Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	oxidising props = waiver based on data from worst case = 16970-55-1 (testing not required)		

Self-ignition			
Flammability - Burning rate			
oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Melting point			There is explosivity data available for liquid Platinum dinitrate Method A14 of Commission Directive 92/69/EEC (which constitutes Annex V of Council Directive 67/548/EEC) - not explosive
Self-ignition dependent on mpt			
Flammability - Burning rate			
oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
	Flash point		Client comments: Karstedt catalyst cannot be isolated as a solid. It is made as a solution of the karstedt complexes in the excess siloxane solvent/reactant that is used to produce them
self-ignition			
Flammability - Burning rate			
oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
Self-ignition dependent on mpt			
Flammability - Burning rate			
oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
	Flash point		Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	oxidising props = waiver based on data from worst case = 16970-55-1 (testing not required)		
	Flash point		
	oxidising props = waiver based on data from worst case = 34513-98-9 (testing not required)		

Form of the substance to be tested	Tests required for anhydrous form	Tests required for solutions	Tests required for hydrates	Comments
Anhydrous solid	No testing required if the tests for burning rate and self-ignition in column J are acceptable to fill this endpoint			Determination of the burning behavior or combustion class of a dust layer as per Ciba-Geigy – DIN VDI 2263 Blatt 1, 1.2.5; the relative auto-ignition temperature in an air stream as per Greuer – VDI 2263 Blatt 1 1.3.
Anhydrous solid	Self-ignition			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Solution in aqueous HCl		flash point		
		oxidising props = waiver based on data from worst case = 16970-55-1 (testing not required)		
Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Anhydrous solid	melting point			
	Self-ignition dependent on mpt			
	Flammability - Burning rate (data available: highly flammable but method = A10)			
	oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
Anhydrous solid	melting point			
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
Anhydrous and hydrated solid	Self-ignition		melting point	
	Flammability - Burning rate		Self-ignition dependent on mpt	
	oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)		Flammability - Burning rate	

			oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)	
Solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	Self-ignition dependent on mpt			
	Explosive props = waiver based on data from worst case = 34513-98-9 (testing not required)			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	Self-ignition dependent on mpt			
	Explosive props = waiver based on data from worst case = 34513-98-9 (testing not required)			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Solid	melting point			
	Self-ignition dependent on mpt			
	Explosive props = waiver based on data from worst case = 34513-98-9 (testing not required)			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
Solid	melting point			
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
Solution in water		flash point		Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
		Explosive props = waiver based on data from worst case = 34513-98-9 (testing not required)		
Solid	melting point			
	Self-ignition dependent on mpt			
	Flammability - Burning rate			

	oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Solution in water		flash point		
		Explosive props = waiver based on data from worst case = 34513-98-9 (testing not required)		
		Data available for oxidising properties but Method = A21.		Is this sufficient?
Anhydrous solid	melting point			
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
Hydrated solid			melting point	
			Self-ignition dependent on mpt	
			Flammability - Burning rate	
			oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)	
Anhydrous solid	melting point			
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
Anhydrous solid	melting point			
	Self-ignition dependent on mpt			
	Flammability - Burning rate			
	oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			

REACH Category	Name of the substance	Identification numbers		Information on compound's hydrate/solution (if any)		Status of the substance	Form of the substance to be tested	Tests required for anhydrous forms	Tests required for solutions	Tests required for hydrates	Comments
		CAS	EC	CAS	EC						
Mono-constituent substances	Iridium (solid only)	7439-88-5	231-095-9			Anhydrous solid	Anhydrous solid	Self-ignition Flammability - Burning rate if less than 2mm			
	Iridium trichloride	10025-83-9	233-044-6	14996-61-3	Both solid and solution (in HCl, in water)	Solid	Self-ignition			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels	
							Flammability - Burning rate				
							oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)				
	Iridium tetrachloride	10025-97-5	233-048-8		Both solid and solution (in water)	Solid	Self-ignition			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels	
							Flammability - Burning rate				
							oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)				
	Di-μ-chlorobis((1,2,5,6-eta)cycloocta-1,5-diene)diiridium	12112-67-3	235-170-7		Both (anhydrous) solid and solution (in alcohol)	Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels	
							Self-ignition dependent on mpt				
							Flammability - Burning rate oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)				
	UVCB substance	Hexachloroiridic acid, Hydrogen hexachloroiridate (IV)	16941-92-7	241-012-8		Both solid and solution (in aqueous HCl, in water)	Solid	melting point			
								Self-ignition dependent on mpt			
Flammability - Burning rate											
oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)											
Mono-constituent intermediate	Iridium dioxide (solid only)	12030-49-8	234-743-9		Anhydrous solid	Anhydrous solid	Self-ignition				
							Flammability - Burning rate				
							oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)				
	Diammonium hexachloroiridate (solid only)	16940-92-4	241-007-0		Both anhydrous and hydrated solid	Anhydrous and hydrated solid	melting point		melting point		
							Self-ignition dependent on mpt		Self-ignition dependent on mpt		
							Flammability - Burning rate		Flammability - Burning rate		
							oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)		oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)		

Identification numbers		n compound's hydrate/sc		Status of the substance	Form of the substance to be tested	Tests required for anhydrous forms	Tests required for solutions	Tests required for hydrates	Comments
CAS	EC	CAS	EC						
7440-16-6	231-125-0			Anhydrous solid	Anhydrous and hydrated solid	No testing required if the tests for burning rate and self-ignition in column J are acceptable to fill this endpoint			Determination of the burning behavior or combustion class of a dust layer as per Ciba-Geigy – DIN VDI 2263 Blatt 1, 1.2.5; the relative auto-ignition temperature in an air stream as per Greuer – VDI 2263 Blatt 1 1.3.
25470-96-6	247-015-0			Anhydrous solid	Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
						Self-ignition dependent on mpt			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
						Flammability - Burning rate			
17185-29-4	241-230-3			Anhydrous solid	Anhydrous solid	melting point			
						Self-ignition dependent on mpt			
						Flammability - Burning rate			
14874-82-9	238-947-9			Anhydrous solid	Anhydrous solid	melting point			Client comments: If it does not decompose, which it may, it may well sublime without melting
						Self-ignition dependent on mpt			
						Data available: Not impact or friction sensitive. Done according to method A14			Is this sufficient or is testing required?
20845-92-5	244-079-1			Solution (in 2-ethylhexanol or 2-ethylhexanoic acid)	Solution in 2-ethylhexanol		flash point		Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
							Oxidising props = waiver based on data from worst case = 34513-98-9 (testing not required)		
10049-07-7	233-165-4	20765-98-4 / 13569-65-8		Both solid and solution (in water or weak HCl)	Solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
						Self-ignition dependent on mpt			
						Flammability - Burning rate			
						oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
12092-47-6	235-157-6			Anhydrous solid	Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
						Self-ignition dependent on mpt			
						Flammability - Burning rate			
						oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
14694-95-2	238-744-5			Anhydrous solid	Anhydrous solid	melting point			Client comments: Will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
						Self-ignition dependent on mpt			A10 test available saying non-flammable

						oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
15492-38-3	239-521-5			Anhydrous solid	Anhydrous solid	melting point			
						Self-ignition dependent on mpt			
						Flammability - Burning rate			
						Oxidising properties			
10489-46-0	234-014-5			Solution (in aqueous sulfuric acid)	Solution in aqueous sulfuric acid		flash point		
							Oxidising props = waiver based on data from worst case = 34513-98-9 (testing not required)		
67859-71-6	267-420-6			Solution (in phosphoric acid)	Solution in phosphoric acid		flash point		
							Oxidising props = waiver based on data from worst case = 34513-98-9 (testing not required)		
12036-35-0	234-846-9			Anhydrous solid	Anhydrous solid	self-ignition			
						Flammability - Burning rate			
						oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
42204-14-8	255-707-9			Both solid and solution (in acetic acid, in water)	Solid	melting point			
						Self-ignition dependent on mpt			
						Flammability - Burning rate			
						oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
10139-58-9	233-397-6	13465-43-5		Both solid and solution (in water or weak HNO3)	Solid	self-ignition			
						explosive properties - waiver based on data from worst case = 34513-98-9 (testing not required)			
						Flammability - Burning rate			
						oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
21656-02-0	244-508-2			Hydrated solid	Hydrated solid		melting point		
							Self-ignition dependent on mpt		
							Flammability - Burning rate		
							oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)		
15336-18-2	239-364-2			Anhydrous and hydrated solid	Anhydrous and hydrated solid	melting point		melting point	
						Self-ignition dependent on mpt		Self-ignition dependent on mpt	
						Flammability - Burning rate		Flammability - Burning rate	
						oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)		oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)	
64164-17-6	264-713-0			Hydrated solid	Hydrated solid		melting point		
							Self-ignition dependent on mpt		
							explosive properties - waiver based on data from worst case = 34513-98-9 (testing not required)		
							Flammability - Burning rate		
							oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)		

Tests required for anhydrous forms	Tests required for solutions	Tests required for hydrates	Comments
self-ignition			
		melting point	Client comments: will start to decompose before it melts, as the protocols seem to involve melting point determination in open vessels
		self-ignition dependent on mpt	
		Flammability - Burning rate	
		oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)	
self-ignition		melting point	
Flammability - Burning rate		self-ignition dependent on mpt	
oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)		Flammability - Burning rate	
		oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)	
melting point			
self-ignition dependent on mpt			
Explosive properties (worst case)			
Flammability - Burning rate			
oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
Data available for mpt (method A4), self-ignition (A16), explosivity (A14), flammability (A10) (all on the solids)			would further testing be required?
oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			
melting point			
self-ignition dependent on mpt			
Flammability - Burning rate			

oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)			
		melting point	
		self-ignition dependent on mpt	
		Flammability - Burning rate	
		oxidising props = waiver based on data from worst case = 85392-65-0 (testing not required)	
	flash point		
	Oxidising props = waiver based on data from worst case = 34513-98-9 (testing not required)		
		melting point	
		self-ignition dependent on mpt	
		Flammability - Burning rate	
		oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)	
melting point			
self-ignition dependent on mpt			
Flammability - Burning rate			
oxidising props = waiver based on data from worst case = 10489-46-0 (testing not required)			

Name of the substance	Identification numbers		Status of the substance	Tests required for anhydrous forms	Tests required for solutions
	CAS	EC			
Rhenium	7440-15-5	231-124-5	Solid	self-ignition	
				flammability - burning rate (if less than 2mm)	
Perrhenic acid (in solution)	13768-11-1	237-380-4	Solution		flash point
					Oxidising props - waive on the basis of data from 13598-65-7
Ammonium perrhenate	13598-65-7	237-075-6	Solid	self-ignition	
				Data available for oxidising properties (Test procedure O. 1. Recommendations on the Transport of Dangerous Goods, Manual of test and Criteria, 4th revised edition, 2003. )	
Sodium rhenate (in aq. solution)	13472-33-8	236-742-9	Solution		flash point
					Oxidising props - waive on the basis of data from 13598-65-7
Potassium perrhenate	10466-65-6	233-953-8	Solid	self-ignition	
				Oxidising props - waive on the basis of data from 13598-65-7	
Dirhenium heptasulphide	12038-67-4	234-882-5	Solid	melting point	
				self-ignition dependent on mpt	
				Oxidising props - waive on the basis of data from 13598-65-7	