



1 Identification Product identifier Product name: Palladium(II) 2,4-pentanedionate Stock number: 10517 CAS Number: 14024-61-4 EC number: -859-8 Relevant identified uses of the substance or mixture and uses advised against. No further relevant information available. Identified use: SU24 Scientific research and development Details of the supplier of the safety data sheet Manufacturer/Supplier: Manufacturer/Supplier: Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 Email: tech@alfa.com www.alfa.com Information Department: Health, Safety and Environmental Department Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789. 2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) EE GHS05 Corrosion Eye Dam. 1 H318 Causes serious eye damage. Hazards not otherwise classified No information known. Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms GHS05 Signal word Danger Hazard statements H318 Causes serious eye damage. Precautionary statements P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. WHMIS classification D2B - Toxic material causing other toxic effects Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) 2 Health (acute effects) = 2Flammability = 1 Flammability = 1 Physical Hazard = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 14024-61-4 Palladium(II) 2,4-pentanedionate Identification number(s): EC number: 237-859-8 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed Causes serious eye damage. Indication of any immediate medical attention and special treatment needed No further relevant information available.

F

Product name: Palladium(II) 2,4-pentanedionate		
	(Contd. of page	
Carbon monoxide Platinum oxide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Stance or mixture lowing can be released: after a fire may have catalytic properties and may promote the re-ignition of flammable materials.	
6 Accidental release measures Personal precautions, protective equi Wear protective equipment. Keep unprotective Ensure adequate ventilation Environmental precautions: Do not allow Methods and material for containment Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe ha See Section 8 for information on persona See Section 13 for disposal information.	ow material to be released to the environment without proper governmental permits. t and cleaning up: Pick up mechanically. special measures required. ndling	
Conditions for safe storage, including Storage Requirements to be met by storeroom	explosions and fires: No information known. any incompatibilities as and receptacles: No special requirements. mon storage facility: Store away from oxidizing agents. nditions:	
 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Personal protective equipment General protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all solied and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Maintain an ergonomically appropriate working environment. Breating equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of hands: Impervious gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Materiation of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Materiation of glove material (in minutes) 480 Glove thickness 0.11 mm Eye protection: Tightly sealed gogglees Body protection: Tightly sealed goggles 		
9 Physical and chemical properties		
Information on basic physical and che General Information Appearance: Form: Odor: Odor threshold:		
pH-value:	Not applicable.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	210 °C (410 °F) (dec) Not determined Not determined Not determined. Not determined Not determined (Contd_on_page	

(Contd. on page 3)

Product Palladium/II) 2 A-pontanodionato

Page 3/4 Printing date 06/20/2016 Revision date 06/17/2016 ٦

Product name: Palladium(II) 2,4-pent	anedionate	
Auto inniting.	Not data minord	(Contd. of page 2)
Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water): Viscosity: dynamic: kinematic: Other information 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions	Not applicable. Not applicable. No further relevant information available. nended storage conditions. b be avoided : Decomposition will not occur if used and stored according to specifications. ay promote the oxidation and ignition of organic materials. information available.	
11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: Causes serious eye damage. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Germ cell mutagenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. Carcinogenic categories OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.		
12 Ecological information Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No further Bioaccumulative potential No further re Mobility in soil No further relevant inform Additional ecological information: General notes: Do not allow material to be released to th	ormation available. er relevant information available. elevant information available. nation available. ne environment without proper governmental permits. uantities to reach ground water, water course or sewage system.	
Uncleaned packagings: Recommendation: Disposal must be ma	r national regulations to ensure proper disposal. ade according to official regulations.	
14 Transport information UN-Number		
DOT, ADN, IMDG, IATA UN proper shipping name	Not applicable	
DOT, ADN, IMDG, IATA Transport hazard class(es)	Not applicable	
DOT, ADR, ADN, IMDG, IATA Class	Not applicable	
Packing group DOT, IMDG, IATA	Not applicable	
Environmental hazards:	Not applicable.	
		(Contd. on page 4

Product name: Palladium(II) 2,4-pentanedionate	
	(Contd. of page 3)
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/	/78 and the IBC Code Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	-
15 Regulatory information	
Safety, health and environmental regulations/legislatio GHS label elements The product is classified and labeled Hazard pictograms	on specific for the substance or mixture I in accordance with 29 CFR 1910 (OSHA HCS)
GHS05	
Signal word Danger Hazard statements H318 Causes serious eye damage. Precautionary statements P280 Wear protective gloves/protective clothi P305+P351+P338 IF IN EYES: Rinse cautiously with wate P310 Immediately call a POISON CENTER/d National regulations All components of this product are listed in the U.S. Enviro All components of this product are listed on the Canadian I SARA Section 313 (specific toxic chemical listings) Sul California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance Prop 65 - Developmental toxicity, female Substance is not Information about limitation of use: For use only by tech Other regulations.	ubstance is not listed. e is not listed. not listed. hnically qualified individuals. ons the REACH Regulations (EC) No. 1907/2006. Substance is not listed. and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the prisation for use) Substance is not listed.
information to ensure proper use and protect the health an	ent to other information gathered by them, and should make independent judgement of suitability of this nd safety of employees. This information is furnished without warranty, and any use of the product not in ombination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department Date of preparation / last revision 06/20/2016 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par R DOT: US Department of Transportation EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent D50: Lethal dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1	Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)