



Reviewed on 07/09/2	2013
1 Identification	
Product identifier Product name: Rhodium(II) octanoate dimer	
Stock number: 39825	
CAS Number: 73482-96-9	
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
Details of the supplier of the safety data sheet 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)	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye irritation. STOT SE 3 H335 May cause respiratory irritation. Hazards not otherwise classified No information known.	
Hazards not otherwise classified No information known. Label elements	
GHS label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation. H319 Causes serious eye irritation.	
H335 May cause respiratory irritation. Precautionary statements	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.	
P201 Found bleating dustriant/gasmins/gasming/explain. 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. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P405 Control locked up	
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
WHMIS classification D2B - Toxic material causing other toxic effects	
Classification system HMIS ratings (scale 0-4)	
(Hazardouš Materials Identification System)	
FIRE I Flammability = 1 REACTIVITY 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:	
73482-96-9 Rhodium(II) octanoate dimer	
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. Social immediate medical advises	
Seek immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After swallowing Seek medical treatment.	ge 2) SA

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Product name: Rhodium(II) octanoa	ate dimer	
		(Contd. of page 1)
Information for doctor Most important symptoms and effect	ts, both acute and delayed No further relevant information available.	
Indication of any immediate medical	attention and special treatment needed No further relevant information available.	
5 Fire-fighting measures		
Extinguishing media		
Suitable extinguishing agents Carbon	n dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.	
Special hazards arising from the sub If this product is involved in a fire, the fo	Stance of mixture Silowing can be released:	
Carbon monoxide and carbon dioxide Metal oxide fume	°	
Advice for firefighters		
Protective equipment: Wear self-contained respirator.		
Wear fully protective impervious suit.		
6 Accidental release measures		
Personal precautions, protective equ	ipment and emergency procedures	
Wear protective equipment. Keep unpro	otected persons away.	
Ensure adequate ventilation Environmental precautions: Do not a	llow product to reach sewage system or any water course.	
Methods and material for containmen Prevention of secondary hazards: No	nt and cleaning up: Ensure adequate ventilation.	
Reference to other sections		
See Section 7 for information on safe h See Section 8 for information on persor	andling nal protection equipment	
See Section 13 for disposal information		
7 Handling and storage		
Handling		
Precautions for safe handling		
Keep container tightly sealed. Store in cool, dry place in tightly closed	containers.	
Ensure good ventilation at the workplac	e. • explosions and fires: No information known.	
Conditions for safe storage, includin	•	
Storage		
Information about storage in one cor	ms and receptacles: No special requirements. nmon storage facility: Store away from oxidizing agents.	
Further information about storage container tightly sealed.	onditions:	
Store in cool, dry conditions in well sea	led containers.	
Specific end uśe(s) No further relevan	t information available.	
8 Exposure controls/personal prot	tection	
Additional information about design	of technical systems:	
Property operating chemical tume nood Control parameters	l designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.	
Components with limit values that re	quire monitoring at the workplace:	
73482-96-9 Rhodium(II) octanoate dir	ner (100.0%)	
PEL (USA) Long-term value: 0.1 mg/m as Rh	3	
TLV (USA) Long-term value: 1 mg/m ³		
as Rh		
Additional information: No data		
Exposure controls Personal protective equipment		
General protective and hygienic mea The usual precautionary measures for I	sures handling chemicals should be followed	
Keep away from foodsfuffs, beverages	and feed.	
Remove all soiled and contaminated clo Wash hands before breaks and at the e	othing immediately. and of work.	
Avoid contact with the eves and skin		
Breathing equipment: Use suitable re-	working environment. spirator when high concentrations are present.	
Protection of hands: Impervious gloves		
Check protective gloves prior to each u	se for their proper condition.	
The selection of suitable gloves not only Penetration time of glove material (in	y depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.	
Eye protection: Safety glasses Body protection: Protective work cloth		
Body protection. Protective work cloth		
9 Physical and chemical propertie		
Information on basic physical and ch General Information	nemical properties	
Appearance:		
Form: Color:	Powder Green	
Odor:	Not determined	
Odor threshold: pH-value:	Not determined. Not applicable.	
рн-value: Change in condition	ινοι αμμικαμισ.	
Melting point/Melting range:	Not determined	
Boiling point/Boiling range:	Not determined	(Contd. on page 3)
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Product name: Rhodium(II) octanoa	ate dimer
	(Contd. of page 2)
Sublimation temperature / start: Flammability (solid, gaseous)	Not determined Not determined.
Ignition temperature: Decomposition temperature:	Not determined Not determined
Auto igniting:	Not determined.
Danger of explosion: Explosion limits:	Not determined.
Lower:	Not determined
Upper: Vapor pressure:	Not determined Not applicable.
Density:	Not determined
Relative density Vapor density	Not determined. Not applicable.
Evaporation rate Solubility in / Miscibility with	Not applicable.
Water:	Insoluble
Partition coefficient (n-octanol/water Viscosity:	
dynamic: kinematic:	Not applicable. Not applicable.
Other information	No further relevant information available.
10 Stability and reactivity	
Reactivity No information known. Chemical stability Stable under recom	amended storage conditions
Thermal decomposition / conditions	to be avoided: Decomposition will not occur if used and stored according to specifications.
Possibility of hazardous reactions R Conditions to avoid No further relevan	eacts with strong oxidizing agents nt information available.
Incompatible materials: Oxidizing age	ents
Hazardous decomposition products: Carbon monoxide and carbon dioxide Metal oxide fume	
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: Causes s Eye irritation or corrosion: Causes se	
Sensitization: No sensitizing effects kr Germ cell mutagenicity: No effects kr	iown.
Carcinogenicity:	
ACGIH A4: Not classifiable as a humar Reproductive toxicity: No effects kno	n carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals.
Specific target organ system toxicity	repeated exposure: No effects known.
Aspiration hazard: No effects known.	- single exposure: May cause respiratory irritation.
Subacute to chronic toxicity: No effe Additional toxicological information:	cts known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
12 Ecological information	
Toxicity	
Aquatic toxicity: No further relevant in	
Persistence and degradability No fun Bioaccumulative potential No further	relevant information available.
Mobility in soil No further relevant info Additional ecological information:	rmation available.
General notes: Avoid transfer into the	
Results of PBT and vPvB assessmer PBT: Not applicable.	it states and the sta
vPvB: Not applicable. Other adverse effects No further relev	rant information available
13 Disposal considerations	
Waste treatment methods Recommendation Consult state, local	or national regulations to ensure proper disposal.
Uncleaned packagings: Recommendation: Disposal must be r	nade according to official regulations.
14 Transport information	
UN-Number	Natappliachla
DOT, ADN, IMDG, IATA UN proper shipping name	Not applicable
UN proper shipping name DOT, ADN, IMDG, IATA	Not applicable
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA	
Class	Not applicable
Packing group DOT, IMDG, IATA	Not applicable
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Anne.	x II of MARPOL73/78 and the IBC Code Not applicable.
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(Contd. on page 4) USA

Safety Data Sheet per OSHA HazCom 2012

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Product name: Rhodium(II) octanoate din	ner
	(Contd. of page 3
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	-
15 Regulatory information	
Safety, health and environmental regulation	ns/legislation specific for the substance or mixture and labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P305+P351+P338 IF IN EYES: Rinse cautious, P304+P340 IF IN EYES: Remove perso P405 Store locked up. P501 Dispose of contents/contain National regulations This product is not listed in the U.S. Environme to research and development only. This produc product must not be used for commercial purpoc This product is not listed on the Canadian Dom SARA Section 313 (specific toxic chemical I California Proposition 65 Prop 65 - Chemicals known to cause cancer Prop 65 - Developmental toxicity, semale Sub Information about limitation of use: For use a Other regulations, limitations and prohibitiv Substance of Very High Concern (SVHC) ac The conditions of restrictions according to A market and use must be observed. Substance is not listed.	 fective clothing/eyé protection/ace protection. ily with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. in the rest air and keep comfortable for breathing. iner in accordance with local/regional/national/international regulations. inter in accordance is not listed. is not listed. is not listed. is not listed. only by technically qualified individuals. is not listed. is not listed. only by technically qualified individuals. is regulations is regulations is not listed. is not listed. is not listed. only by technically qualified individuals. is regulations is rot listed. is not listed.
16 Other information Employers should use this information only as a information to ensure proper use and protect th conformance with this Material Safety Data She	a supplement to other information gathered by them, and should make independent judgement of suitability of this ne health and safety of employees. This information is furnished without warranty, and any use of the product not in eet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing D	Department