

CHROMIUM(III) 2,4-PENTANEDIONATE

Safety Data Sheet AKC210 Date of issue: 07/27/2015 Vers Version: 1.0

SECTION 1: Identification of the sub	stance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Substance
Physical state	: Solid
Substance name	: CHROMIUM(III) 2,4-PENTANEDIONATE
Product code	: AKC210
Formula	: C15H21CrO6
Synonyms	: CHROMIC ACETYLACETONATE
Chemical family	: METAL COMPOUND
1.2. Relevant identified uses of the subs	tance or mixture and uses advised against
Use of the substance/mixture	: Chemical intermediate For research and industrial use only
1.3. Details of the supplier of the safety GELEST, INC.	data sheet
11 East Steel Road Morrisville, PA 19067 USA	
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 info@gelest.com - www.gelest.com	AM - 5:30 PM EST
1.4. Emergency telephone number	
Emergency number	: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)
SECTION 2: Hazards identification	
2.1. Classification of the substance or n	nixture
Classification (GHS-US)	
Skin Irrit. 2 H315	
Eye Irrit. 2A H319	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (CHS US)	GHS07 : Warning
Signal word (GHS-US) Hazard statements (GHS-US)	: H315 - Causes skin irritation
	H319 - Causes serious eye irritation
Precautionary statements (GHS-US)	: P280 - Wear protective gloves/protective clothing/eye protection/face protection
	P264 - Wash hands thoroughly after handling
	P302+P352 - If on skin: Wash with plenty of soap and water P332+P313 - If skin irritation occurs: Get medical advice/attention
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
	contact lenses, if present and easy to do. Continue rinsing
	P337+P313 - If eye irritation persists: Get medical advice/attention P321 - Specific treatment (see first aid instructions on this label)
	P362 - Take off contaminated clothing and wash before reuse
2.3. Other hazards	
No additional information available	
2.4. Unknown acute toxicity (GHS US)	
No data available	
SECTION 3: Composition/informatic	n on ingredients
3.1. Substance	
Substance type	: Mono-constituent
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Symptoms/injuries after ingestion

and an

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Name	: CHROMIUM(III) 2,4-PENTANEDIONA	TE	
CAS No	: 21679-31-2		
EC no	: 244-526-0		
Name	Product identifier	%	Classification (GHS-US)
Chromium acetylacetonate	(CAS No) 21679-31-2	> 95	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
3.2. Mixture			
Not applicable			
	easures		
SECTION 4: First aid mo 4.1. Description of first a			
SECTION 4: First aid m			

First-aid measures after inhalation	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention.

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4.2.	Most important symptoms and eff	ts, both acute and delayed	
Symp	toms/injuries after inhalation	: May cause irritation to the respiratory tract.	
Symp	toms/injuries after skin contact	: Causes skin irritation.	
Symp	toms/injuries after eye contact	: Causes serious eye irritation.	

: May be harmful if swallowed.

4.3. Indication of any immediate medica	al attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	: None known.
5.2. Special hazards arising from the su	Ibstance or mixture
Fire hazard	: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray to cool exposed surfaces. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid contact with skin and eyes. Do not breathe dust.
SECTION 6: Accidental release mag	

SECTION	ON 6: Accidental release meas	ures	
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
Protective	e equipment	: Wear protective equipment as described in Section 8.	
Emergen	cy procedures	: Evacuate unnecessary personnel.	
6.1.2.	For emergency responders		
Protective	e equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".	
6.2.	Environmental precautions		
Prevent e	entry to sewers and public waters. Notify	authorities if product enters sewers or public waters.	
6.3.	Methods and material for containment and cleaning up		
Methods	for cleaning up	: Sweep or shovel spills into appropriate container for disposal.	

Reference to other sections 6.4.

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and	rage			
7.1. Precautions for safe ha				
Precautions for safe handling	 Avoid contact with skin and eyes. Do not breathe dust. Avoid dust formation. Provide l exhaust or general room ventilation to minimize exposure to dust. 	local		
Hygiene measures	-	: Wash hands and other exposed areas with mild soap and water before eating, drinking or		
7.2. Conditions for safe stor	including any incompatibilities			
Storage conditions	: Keep container tightly closed.			
Incompatible materials	: Oxidizing agent.			
Storage area	: Store in a well-ventilated place. Store away from heat.			
7.3. Specific end use(s)				
No additional information available				
SECTION 8: Exposure con	s/personal protection			
8.1. Control parameters				
Chromium acetylacetonate (216	1-2)			
	PEL (TWA) (mg/m ³) 0.5 mg/m ³ chromium			
8.2. Exposure controls				
Appropriate engineering controls	: Provide local exhaust or general room ventilation.			
Personal protective equipment	: Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers	should b		
	available in the immediate vicinity of any potential exposure.			
Hand protection	: Neoprene or nitrile rubber gloves.			
Eye protection	: Chemical goggles. Contact lenses should not be worn.			
Skin and body protection Respiratory protection	 Wear suitable protective clothing. Where exposure through inhalation may occur from use, respiratory protection equipn 	oont is		
Respiratory protection	recommended. NIOSH-certified organic vapor (black cartridge) respirator.			
SECTION 9: Physical and o				
	al and chemical properties			
Physical state	: Solid			
Appearance Molecular mass	: Crystalline powder. : 349.36 g/mol			
Color	: Violet.			
Odor	: No data available			
Odor threshold	: No data available			
Refractive index	: No data available			
pH	: No data available			
Relative evaporation rate (butyl ace	1) : No data available			
Melting point	: 214 °C			
Freezing point	: No data available			
Boiling point	: 340 °C			
Flash point	: > 200 °C			
Auto-ignition temperature	: No data available			
Decomposition temperature	: No data available			
Flammability (solid, gas)	: No data available			
Vapor pressure	: 0.001 mm Hg @ 100°C			
Relative vapor density at 20 °C	: No data available			
Relative density	: 1.35			
VOC content	: <2%			
Solubility	: Water: 1.1 g/l			
Log Pow	: No data available			
Log Kow	: No data available			
	: No data available			
Log Kow				
Log Kow Viscosity, kinematic	: No data available			

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•	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Heat. Open flame. Sparks.	
10.5. Incompatible materials	
Oxidizing agent.	
10.6. Hazardous decomposition productsOrganic acid vapors. Chromium oxide fumes.	
SECTION 11: Toxicological information	on and a second s
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Chromium acetylacetonate (21679-31-2)	
LD50 oral rat	3360 mg/kg
ATE US (oral)	3360.000 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation Respiratory or skin sensitization	: Causes serious eye irritation. : Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
	. Net close if ad
Aspiration hazard Symptoms/injuries after inhalation	 Not classified May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
	: May be harmful if swallowed.
Reason for classification	: Expert judgment
OFOTION 40. Eaclastical information	
SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Effect on ozone layer	: No additional information available
-	: No known ecological damage caused by this product.

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SECTION 13: Disposa	I considerations			
13.1. Waste treatment	nethods			
Waste disposal recommenda		pose of solid materials or residue ordance with local/national regula		a safe manner in
Ecology - waste materials	: Avc	oid release to the environment.		
SECTION 14: Transpo	ort information			
14.1. UN number				
Not regulated for transport.				
14.2. UN proper shipping	ng name			
Not applicable				
14.3. Additional informati	on			
Other information	: No	supplementary information availa	ble.	
Transport by sea				
No additional information ava	ilable			
Air transport				
No additional information ava	ilable			
SECTION 15: Regulat				
15.1. US Federal regulation				
-				
Chromium acetylacetonat				
Listed on the United States		Control Act) inventory		
15.2. International regulation	ons			
Chromium acetylacetonat	te (21679-31-2)			
Listed on the AICS (Austral Listed on the Canadian ND Listed on the EEC inventor Listed on the Japanese EN Listed on the Korean ECL (Listed on NZIoC (New Zeal Listed on PICCS (Philipping	SL (Non-Domestic Substan y EINECS (European Inven CS (Existing & New Chemic Existing Chemicals List) and Inventory of Chemicals	ices List) tory of Existing Commercial Cher cal Substances) inventory	mical Substances)	
15.3. US State regulations				
CHROMIUM(III) 2,4-PENTAI	NEDIONATE(21679-31-2)			
U.S California - Propositior	•	No		
U.S California - Propositior Toxicity	U.S California - Proposition 65 - Developmental No Toxicity			
U.S California - Propositior Toxicity - Female	U.S California - Proposition 65 - Reproductive No Toxicity - Female			
U.S California - Propositior Toxicity - Male	65 - Reproductive	No		
Chromium acetylacetonate	(21679-31-2)			
U.S California -	U.S California -	U.S California -	U.S California -	No significance risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
No	No	No	No	

SECTION 16: Other information

Abbreviations and acronyms

: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development.

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Full tex	t of H-phrases::	
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	H315	Causes skin irritation
	H319	Causes serious eye irritation

LIMIC	III Rating

Health

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability	:	1 Slight Hazard
Physical	:	1 Slight Hazard

Prepared by safety and environmental affairs.

Date of issue: 07/27/2015 Version: 1.0

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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