



1 Identification
Product identifier Product name: Tetraammineplatinum(II) hydrogen carbonate
Stock number: 44042
CAS Number:
123439-82-7 ELINCS Number:
426-730-3 Index number:
078-010-11-X 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
Tel: 800-343-0660 Fax: 800-32 <u>2</u> -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)
GHS05 Corrosion
Eye Dam. 1 H318 Causes serious eye damage.
GHS07
Acute Tox. 4 H302 Harmful if swallowed. 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 GHS07
Signal word Danger
Hazard statements H302 Harmful if swallowed.
H318 Causes serious eye damage. Precautionary statements
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling. P305+P351+P388 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/
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor//if vou feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification
D1B - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
HEALTH 2 Health (acute effects) = 2
REACTIVITY Physical Hazard = 1
Other hazards Results of PBT and vPvB assessment PDT: Not exclassion
PBT: Not applicable. vPvB: Not applicable.
3 Composition/information on ingredients
Chemical characterization: Substances
CAS# Description: 123439-82-7 Tetraammineplatinum(II) hydrogen carbonate
Identification number(s): ELINCS Number: 426-730-3
Index number: 078-010-11-X USA

roudername. Ferruarinininopiacinarininin riyarogen oarbonace	(Control of marga 1)
	(Contd. of page 1)
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 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 Product is not flammable. Use fire-fighting measures that suit the surrounding fire.	
Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released:	
Metal oxide fume Nitrogen oxides (NOx)	
Ammonia	
Advice for firefighters Protective equipment: Wear self-contained respirator.	
Wear self-contained respirator. Wear fully protective impervious suit.	
6 Accidental release measures Personal precautions, protective equipment and emergency procedures	
Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.	
Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.	
Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13	
Prevention of secondary hazards: No special measures required. Reference to other sections	
See Section 7 for information on safe handling See Section 8 for information on personal 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 workplace.	
Prevent formation of dust.	
Information about protection against explosions and fires: The product is not flammable Conditions for safe storage, including any incompatibilities	
Storage	
Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents.	
Further information about storage conditions:	
Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.	
Specific end use(s) No further relevant information available.	
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.	
Control parameters	
Components with limit values that require monitoring at the workplace: Not required.	
Additional information: No data Exposure controls	
Personal 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 soiled 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.	
Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands:	
Impervious gloves	
Check protective 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.	
Penetration time of glove material (in minutes) Not determined Eve protection: Tightly sealed goggles	
Eye protection: Tightly sealed goggles Body protection: Protective work clothing.	
9 Physical and chemical properties	
Information on basic physical and chemical properties	
General Information	
Form: Crystalline Color: White	
Odor: Not determined	
	(Contd. on page 3) USA

Product name: Tetraammineplatinum(II) hydrogen carbonate

Page 3/4 Printing date 11/24/2015 Reviewed on 10/30/2009

	(Contd. of page
Odor threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range: Boiling point/Boiling range:	236 °C (457 °F) (dec) Not determined
	Not determined
Flash point:	Not applicable
	Not determined. Not determined
Decomposition temperature:	Not determined
<u> </u>	Not determined. Product does not present an explosion hazard.
Explosion limits:	
	Not determined Not determined
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F): Relative density	2.7 g/cm³ (22.532 lbs/gal) Not determined.
Vapor density	Not applicable.
Evaporation rate Solubility in / Miscibility with	Not applicable.
Water:	Not determined
Partition coefficient (n-octanol/water): Viscosity:	ivot determined.
dvnamic:	Not applicable. Not applicable.
Other information	No further relevant information available.
Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions No of Conditions to avoid No further relevant Incompatible materials: Oxidizing agent Hazardous decomposition products: Metal oxide fume Nitrogen oxides Ammonia	information available.
Germ cell mutagenicity: No effects know Carcinogenicity: No classification data of Reproductive toxicity: No effects known Specific target organ system toxicity - Aspiration hazard: No effects known. Subacute to chronic toxicity: Exposure to platinum containing dusts or dyspnea and wheezing. Cyanosis is post Subacute to chronic toxicity: No effects	e irritation ious eye damage. <i>i</i> ionic platinum halogeno complexes, may cause severe allergic reactions. wm. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. - repeated exposure: No effects known
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	ormation available.

Recommendation Consult state, local or national regulations to ensure proper disposal.

(Contd. on page 4)

	Reviewed on 10/30/2009		
Product name: Tetraammineplatinum(II) hydrogen carbonate			
Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.	(Contd. of page 3)		
14 Transport information Not a hazardous material for transportation.			
UN-Number DOT, IMDG, IATA	None		
UN proper shipping name DOT, IMDG, IATA	None		
Transport hazard class(es) DOT, ADR, IMDG, IATA			
Class Packing group DOT, IMDG, IATA	None		
DOT, IMDG, IATA Environmental hazards:	None Not applicable.		
Special precautions for user	Not applicable.		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code			
Transport/Additional information: DOT	Not dangerous according to the above specifications.		
Marine Pollutant (DOT):	No		
15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture (FS) label elements. The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms			
 16 Other information Employers should use this information only as a supplement to other information information to ensure proper use and protect the health and safety of employees conformance with this Material Safety Data Sheet, or in combination with any oth Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acroyman: RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (FI IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Concernant le transport des marchandises dangereuses par chemin de fer (FI IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Aistracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (Canada) LCSO: Lethal dose, 50 percent LDSO: Lethal concentration, 50 percent LDSO: Lethal concentration, 60 experimental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) NAR: International Safety and Health Administration (USA) NAR: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)			