Lead(II) carbonate basic

11513-50KG

SECTION 1. IDENTIFICATION

Product name	:	Lead(II) carbonate basic
Number	:	000000021448
Product Use Description	:	Laboratory chemicals
Manufacturer or supplier's details	:	Honeywell International Inc. 1953 South Harvey Street Muskegon, MI 49442
For more information call	:	1-800-368-0050 +1-231-726-3171(Monday-Friday, 9:00am-5:00pm)
In case of emergency call	:	**Medical: 1-800-498-5701 or +1-303-389-1414**
	:	**Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
	:	
	:	(24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form	:	solid
Color	:	colourless
Odor	:	odourless

Classification of the substance or mixture

Classification of the substance or mixture	:	Acute toxicity, Category 4, Oral Acute toxicity, Category 4, Inhalation Carcinogenicity, Category 2 Reproductive toxicity, Category 1A Specific target organ toxicity - repeated exposure, Category 2

GHS Label elements, including precautionary statements

Symbol(s) :

Signal word : Danger

Hazard statements : Harmful if swallowed or if inhaled.
Suspected of causing cancer.
May damage fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Use personal protective equipment as required.

Response:
IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/ attention.
Call a POISON CENTER or doctor/ physician if you feel unwell.

Storage:
Store locked up.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity

NTP:	Lead hydroxide carbonate	1319-46-6

Reasonably Anticipated to be a Human Carcinogen.

IARC: Lead hydroxide carbonate 1319-46-6
Group 2A: Probably carcinogenic to humans

ACGIH: Lead hydroxide carbonate 1319-46-6
A3: Confirmed animal carcinogen

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C2H2O8Pb3

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Lead hydroxide carbonate	1319-46-6	<=100.00 %

SECTION 4. FIRST AID MEASURES

General advice : First aider needs to protect himself. Move out of dangerous area. Immediately take off contaminated clothing and rinse body with plenty of water.

Inhalation : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Call a physician.

Skin contact : After contact with skin, wash immediately with plenty of water. Call a physician if irritation develops or persists.

Eye contact : Protect unharmed eye. Rinse thoroughly with plenty of water, also under the eyelids. Call a physician immediately.

Ingestion : A person suspected to have swallowed the substance who is conscious should be given water to drink. Take to a doctor immediately together with this card

Notes to physician

Most important symptoms/effects, acute and delayed	:	No information available.
Indication of immediate medical attention and special treatment needed, if necessary	:	Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Foam Carbon dioxide (CO2) Dry powder
Specific hazards during firefighting	:	Exposure to decomposition products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or water courses. Fire may cause evolution of: Toxic metal oxide fumes Carbon oxides
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus and protective suit. No unprotected exposed skin areas.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear personal protective equipment. Unprotected persons must be kept away.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Clean contaminated floors and objects thoroughly while observing environmental regulations. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	:	Use mechanical handling equipment.

containment and cleaning up	Pick for disposal in tightly closed containers Avoid dust formation.

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	Avoid exposure - obtain special instructions before use. Provide exhaust ventilation if dust is formed.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.

Storage

Further information on storage conditions	:	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures	:	Avoid exposure - obtain special instructions before use. Do not breathe dust.
Engineering measures	:	Use with local exhaust ventilation.
Eye protection	:	Safety goggles
Hand protection	:	Protective gloves Gloves must be inspected prior to use. Replace when worn.
Skin and body protection	:	Wear suitable protective equipment. Wear as appropriate: Protective suit
Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter.
Hygiene measures	:	Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. Keep working clothes separately.

Contaminated work clothing should not be allowed out of the workplace.
Wash hands before breaks and at the end of workday.
When using do not eat or drink.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Lead hydroxide carbonate	1319-46-6	TWA : Time weighted average	0.05 mg/m3	2008	ACGIH:US. ACGIH Threshold Limit Values, as amended
Further information :	Expressed as : as Pb				
Lead hydroxide carbonate	1319-46-6	REF : Reference:	29 CFR 1910.1025	03 2012	OSHASP:US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended
Lead hydroxide carbonate	1319-46-6	OSHA_ACT : OSHA Action level:	0.03 mg/m3	02 2006	OSHASP:US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended
Lead hydroxide carbonate	1319-46-6	TWA : Time weighted average	0.05 mg/m3	02 2006	OSHASP:US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended

Lead hydroxide carbonate	1319-46-6	TWA : Time weighted average	0.05 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Expressed as : as Pb			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	solid
Color	:	colourless
Odor	:	odourless
Odor threshold	:	Note: No data available
pH	:	7.0 at , 20 °C Note: suspension
Melting point/range	:	400 °C
Boiling point/boiling range	:	Note: No data available
Flash point	:	Note: Not applicable
Evaporation rate	:	Note: No data available
Lower explosion limit	:	Note: Not applicable
Upper explosion limit	:	Note: Not applicable
Vapor pressure	:	Note: No data available

Vapor density	:	Note: No data available
Density	:	ca. 7.06 g/cm3 at 20 °C
Water solubility	:	0.0022 g/l at 25 °C Note: insoluble
Partition coefficient: n-octanol/water	:	Note: No data available
Ignition temperature	:	Note: Not applicable
Decomposition temperature	:	Note: No decomposition if used as directed.
Viscosity, dynamic	:	Note: No data available
Viscosity, kinematic	:	Note: No data available
Oxidizing properties	:	Note: No data available
Molecular weight	:	775.63 g/mol
Bulk density	:	ca. 1,200 kg/m3
Corrosivity	:	Note: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Hazardous polymerisation does not occur.

Conditions to avoid	:	To avoid thermal decomposition, do not overheat.
Incompatible materials	:	Acids
Hazardous decomposition products	:	Toxic metal oxide fumes Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.
Acute inhalation toxicity	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.
Acute dermal toxicity	:	LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 402 Test substance: REACH dossier “read-across”
Skin irritation	:	Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404 Test substance:REACH dossier “read-across”
Eye irritation	:	Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405 Test substance: REACH dossier “read-across”
Sensitisation	:	Note: No data available
Repeated dose toxicity	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.

Genotoxicity in vitro	:	Note: Not classified due to data which are conclusive although insufficient for classification.
Further information Lead hydroxide carbonate	:	Danger of serious damage to health by prolonged exposure. May cause birth defects.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.
Toxicity to daphnia and other aquatic invertebrates	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.
Toxicity to algae	:	Note: Classification based on Annex VI of regulation 1272/2008/EC.

Elimination information (persistence and degradability)

Biodegradability	:	Note: The methods for determining biodegradability are not applicable to inorganic substances.

Further information on ecology

Additional ecological information	:	We have no quantitative data concerning the ecological effects of this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	:	Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT	UN/ID No.	:	UN 3077
	Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trilead bis(carbonate) dihydroxide)
	Class		9
	Packing group		III
	Hazard Labels		9
IATA	UN/ID No.	:	UN 3077
	Description of the goods	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trilead bis(carbonate) dihydroxide)
	Class	:	9
	Packaging group	:	III
	Hazard Labels	:	9
	Packing instruction (cargo aircraft)	:	956
	Packing instruction (passenger aircraft)	:	956
	Packing instruction (passenger aircraft)	:	Y956
IMDG	UN/ID No.	:	UN 3077
	Description of the goods	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TRILEAD BIS(CARBONATE) DIHYDROXIDE)
	Class	:	9
	Packaging group	:	III
	Hazard Labels	:	9
	EmS Number	:	F-A, S-F
	Marine pollutant	:	yes
Other information		:	Insoluble (according to Special provision 199 in Chapter 3.3 of the IMDG-Code)

Not regulated for transport when single and combination packagings are <= 5L for liquids or <= 5kg for solids per ADR SP 375, IMDG 2.10.2.7 and IATA SP A197.

SECTION 15. REGULATORY INFORMATION

Inventories

US. Toxic Substances Control Act	:	On TSCA Inventory
Australia. Inventory of Industrial Chemicals (AIIC), as amended	:	On the inventory, or in compliance with the inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	:	All components of this product are on the Canadian DSL
Japan. Kashin-Hou Law List	:	On the inventory, or in compliance with the inventory
Korea. Existing Chemicals Inventory (KECI)	:	On the inventory, or in compliance with the inventory
Philippines. Inventory of Chemicals and Chemical Substances (PICCS)	:	On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances (IECSC)	:	On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	:	On the inventory, or in compliance with the inventory
Taiwan Chemical Substance Inventory (TCSI)	:	On the inventory, or in compliance with the inventory

National regulatory information

SARA 302 Components : No chemicals in this material are subject to the reporting

requirements of SARA Title III, Section 302.

SARA 313 Components : The following components are subject to reporting levels established by SARA Title III, Section 313:
: Lead hydroxide carbonate 1319-46-6

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

CERCLA Reportable Quantity : 10 lbs

California Prop. 65 :

WARNING: This product can expose you to chemicals, listed below, known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Lead hydroxide carbonate 1319-46-6

Massachusetts RTK : Lead hydroxide carbonate 1319-46-6

New Jersey RTK : Lead hydroxide carbonate 1319-46-6

Pennsylvania RTK : Lead hydroxide carbonate 1319-46-6

SECTION 16. OTHER INFORMATION

		HMIS III	NFPA
Health hazard	:	2*	2
Flammability	:	0	0
Physical Hazard	:	0	
Instability	:		0

* - Chronic health hazard
Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information

and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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