Printing date 05/15/2024 Reviewed on 05/15/2024

1 Identification

· Product identifier

· Trade name: Lead Oxide, Red Laboratory Grade, Powder

· Article number: L3391

· CAS Number: 1314-41-6 · EC number:

215-235-6 • Index number: 082-001-00-6

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier: Aqua Solutions, Inc. 6913 Highway 225 DEER PARK, TX 77536 USA 800-256-2586

· Information department:

Technical Coordinator

Sherman Nelson shermann@aquasolutions.org

· Emergency telephone number: Chemtrec: 800-424-9300 Canutec: 613-996-6666



2

2 Hazard(s) identification

· Classification of the substance or mixture



GHS08 Health hazard

Carcinogenicity 2 H351 Suspected of causing cancer.

Toxic to Reproduction 1A H360 May damage fertility or the unborn child.

Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonged or repeated exposure.



Acute Toxicity - Oral 4
Acute Toxicity - Inhalation 4

H302 Harmful if swallowed. H332 Harmful if inhaled.

· Label elements

- · GHS label elements The substance is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms





GHS07

GHS08

· Signal word Danger

(Contd. on page 2)

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

(Contd. of page 1)

· 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

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 3Fire = 0Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = *2Fire = 0

REACTIVITY 0 Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Substances
- · CAS No. Description

CAS: 1314-41-6 Lead Oxide, Red

- · Identification number(s)
- · EC number: 215-235-6
- · Index number: 082-001-00-6

4 First-aid measures

- · Description of first aid measures
- · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

(Contd. on page 3)

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

(Contd. of page 2)

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: Immediately call a doctor.
- · 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: Use fire fighting measures that suit the environment.
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· 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.

- · Protective Action Criteria for Chemicals
- **PAC-1**: 0.17 mg/m^3
- · PAC-2: 130 mg/m3
- · PAC-3: 770 mg/m³

7 Handling and storage

- · Handling:
- · Precautions for safe handling

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

- · Information about protection against explosions and fires: No special measures required.
- · 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: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s) No further relevant information available.

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

(Contd. of page 3)

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see section 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

CAS: 1314-41-6 Lead Oxide, Red

PEL Long-term value: 0.05 mg/m³

as Pb; See 29 CFR 1910.1025

REL Long-term value: 0.05* mg/m³

as Pb; *8-hr TWA; See Pocket Guide App. C

TLV Long-term value: 0.05 mg/m³

as Pb; A3, BEI

· Ingredients with biological limit values:

CAS: 1314-41-6 Lead Oxide, Red

BEI 200 μg/100 ml

LD50 Intraperitoneal: blood

Time: not critical LD50: Lead

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

(Contd. on page 5)

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

· **Body protection:** Protective work clothing

(Contd. of page 4)

Information on basic physical and c General Information	hemical properties
Appearance:	
Form:	Powder
Color:	Bright Red-Orange
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	500 °C (932 °F)
Boiling point/Boiling range:	800 °C (1,472 °F)
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Decomposition temperature:	Not determined.
Ignition temperature:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure at 20 $^{\circ}C$ (68 $^{\circ}F$):	10 hPa (7.5 mm Hg)
Density at 20 °C (68 °F):	9 g/cm³ (75.105 lbs/gal)
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Not determined.
Partition coefficient (n-octanol/wate	er): Not determined.
Viscosity:	
Dynamic:	Not applicable. Not applicable.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.

(Contd. on page 6)

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

(Contd. of page 5)

· Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values that a	e relevant for	r classification:
-------------------------	----------------	-------------------

Oral	LD50	500 mg/kg (ATE)
Inhalative	LC50/4h	1.5 mg/l (ATE)

- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: No irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) 2A
- · NTP (National Toxicology Program) R
- · OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 3 (Assessment by list): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

HS

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

(Contd. of page 6)

UN proper shipping name DOT IMDG, IATA OXIDIZING SOLID, N.O.S. (Lead Oxide, Red) Transport hazard class(es) DOT Class Label 6.1 Toxic substances Label 6.1 Ioxic substances Class Label 6.1 Ioxic substances Class Label 6.1 Ioxic substances Class Label 6.1 Ioxic substances Label 6.1 Ioxic s	UN-Number DOT, IMDG, IATA	UN1479
OXI OXIDIZING SOLID, N.O.S. (Lead OXIDE, Red) IMDG, IATA Transport hazard class(es) DOT Class Class Class Class Clabel Class Clabel Class Class Clabel Class Class Clabel Class Class Clabel Class Clabel Class Clabel Class Class Clabel Class Class Class Clabel Class Class Class Clabel Class Class Clabel Class Cla		
IMDG, IATA OXIDIZĬNG SOLID, N.O.S. (Lead Oxide, Red) Transport hazard class(es) DOT Class 6.1 Toxic substances Label 6.1 IMDG Class 6.1 Toxic substances Label 6.1 IATA Class 6.1 Toxic substances 6.1 IMI Environmental hazards: Environmentally hazardous substance, solid Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG6-cyanides SG49 Stow "separated from" SGG6-cyanides SG49 Stow "separated from" SGG6-cyanides SG49 Stow "separated from" SGG6-cyanides		Oxidizing solid, n.o.s. (Lead Oxide, Red)
Class 6.1 Toxic substances Label 6.1 IMDG Class 6.1 Toxic substances Label 6.1 IATA Class 6.1 Toxic substances Label 6.1 Environmental hazards: Benvironmentally hazardous substance, solid Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification number (Kemler code): 60 EMS Number: Special precaution for user Hazard identification for user Hazard i		
Class 6.1 Toxic substances Label 6.1 IMDG Class 6.1 Toxic substances Label 6.1 IATA Class 6.1 Toxic substances Label 6.1 Class 6.1 Toxic substances Label 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Environmentally hazardous substance, solid Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG3-ammonium compounds. SG49 Stow "separated from" SGG3-ammonium compounds. SG60 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG6-cyanides	Transport hazard class(es)	
Class Label 6.1 IMDG Class Class Class Clabel 6.1 IATA Class Class Class Clabel 6.1 IATA Class Class Class Clabel 6.1 IATA Class Class Clabel 6.1 IATA Class Class Clabel 6.1 IATA Class Class Clabel 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Marine pollutant: Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: Segregation groups CSGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG49 Stow "separated from" SGG6-cyanides SG49 Stow "separated from" SGG1-peroxides	DOT	
Label 6.1 IMDG Class 6.1 Toxic substances Label 6.1 IATA Class 6.1 Toxic substances Label 6.1 Class 6.1 Toxic substances Label 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Environmentally hazardous substance, solid Marine pollutant: Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG1-peroxides	TOXIC	
Class 6.1 Toxic substances Label 6.1 IATA Class 6.1 Toxic substances Label 6.1 Class 6.1 Toxic substances Label 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Environmentally hazardous substance, solid Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SGG6 Stow "separated from" SGG16-peroxides	Class	6.1 Toxic substances
Class 6.1 Toxic substances Label 6.1 IATA Class 6.1 Toxic substances Label 6.1 Class 6.1 Toxic substances Label 6.1 Class 6.1 Toxic substances Label 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Environmentally hazardous substance, solid Marine pollutant: Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG3 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SGG6-cyanides SGG6 Stow "separated from" SGG16-peroxides	Label	
Class Label 6.1 IATA Class C	IMDG	
Label 6.1 IATA Class 6.1 Toxic substances Label 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Environmentally hazardous substance, solid Marine pollutant: Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides		
Class 6.1 Toxic substances Label 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Environmentally hazardous substance, solid Marine pollutant: Symbol (fish and tree) Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Class	
Class Label 6.1 Toxic substances 6.1 Packing group DOT, IMDG, IATA III Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Label	6.1
Label6.1Packing group DOT, IMDG, IATAIIIEnvironmental hazards: Marine pollutant:Environmentally hazardous substance, solid Symbol (fish and tree)Special precautions for user 		
Packing group DOT, IMDG, IATA III Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code): EMS Number: Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Class	6.1 Toxic substances
DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code): 60 EMS Number: Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	I ahel	6.1
Environmental hazards: Marine pollutant: Symbol (fish and tree) Warning: Toxic substances Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Luoci	
Marine pollutant:Symbol (fish and tree)Special precautions for userWarning: Toxic substancesHazard identification number (Kemler code):60EMS Number:F-A,S-ASegregation groups(SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compoundsStowage CategoryBSegregation CodeSG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides		
Marine pollutant:Symbol (fish and tree)Special precautions for userWarning: Toxic substancesHazard identification number (Kemler code):60EMS Number:F-A,S-ASegregation groups(SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compoundsStowage CategoryBSegregation CodeSG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group	III
Hazard identification number (Kemler code): 60 EMS Number: F-A,S-A Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA	
EMS Number: F-A,S-A (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA Environmental hazards:	Environmentally hazardous substance, solid
Segregation groups (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds. Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances
organometallic compounds), (SGG9) lead and its compounds Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances e): 60
Stowage Category B Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code EMS Number:	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances e): 60 F-A,S-A
Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances 2): 60 F-A,S-A (SGG7) Heavy metals and their salts (including the
SG49 Stow "separated from" SGG6-cyanides SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code EMS Number: Segregation groups	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances 2): 60 F-A,S-A (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds
SG60 Stow "separated from" SGG16-peroxides	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code EMS Number: Segregation groups	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances 2): 60 F-A,S-A (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds B
SG61 Stow "separated from" SGG15-powdered metals	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances e): 60 F-A,S-A (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds B SG38 Stow "separated from" SGG2-ammonium compounds.
	Packing group DOT, IMDG, IATA Environmental hazards: Marine pollutant: Special precautions for user Hazard identification number (Kemler code) EMS Number: Segregation groups	Environmentally hazardous substance, solid Symbol (fish and tree) Warning: Toxic substances e): 60 F-A,S-A (SGG7) Heavy metals and their salts (including the organometallic compounds), (SGG9) lead and its compounds B SG38 Stow "separated from" SGG2-ammonium compounds. SG49 Stow "separated from" SGG6-cyanides

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

	(Contd. of page 7
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 25 kg
	On cargo aircraft only: 100 kg
· IMDG	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
· UN ''Model Regulation'':	UN 1479 OXIDIZING SOLID, N.O.S. (LEAD OXIDE, RED), 6.1 III

15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Sara
- · Section 355 (extremely hazardous substances): Substance is not listed.
- · Section 313 (Specific toxic chemical listings): Substance is listed.
- · TSCA (Toxic Substances Control Act): ACTIVE
- · Hazardous Air Pollutants Substance is listed.
- · Proposition 65
- · Chemicals known to cause cancer: Substance is listed.
- · Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) B2
- · TLV (Threshold Limit Value) A3
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- · GHS label elements The substance is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms





GHS07

1507 31150

- · 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

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

(Contd. on page 9)

Printing date 05/15/2024 Reviewed on 05/15/2024

Trade name: Lead Oxide, Red Laboratory Grade, Powder

(Contd. of page 8)

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

Rinse mouth.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Environment protection department.
- · Contact:

Date of Preparation / Last Revision:

· Date of preparation / last revision

Revision 1.2, 05/15/2024: Reviewed SDS for accuracy. MH/STN

Revision 0.0, 11-14-2016: creation date for SDS. STN

05/15/2024

· Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Acute Toxicity - Oral 4: Acute toxicity - Category 4

 ${\it Carcinogenicity 2: Carcinogenicity-Category \, 2}$

 $Toxic\ to\ Reproduction\ 1A:\ Reproductive\ toxicity-Category\ 1A$

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2

* * Data compared to the previous version altered.

US ·