	SAFETY DATA SHEET	Page : 1/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Commercial Product Name : LEAD (Massive)
 Chemical name of the substance : Lead
 EC No : 231-100-4
 CAS No. : 7439-92-1
 REACH Registration Number : 01-2119513221-59

1.2. Relevant identified uses of the substance or mixture and uses advised against

Specific use(s) : Industrial

1.3. Details of the supplier of the safety data sheet

Company : Trafigura Beheer BV
 Gustav Mahlerplein 102, ITO Tower - 20th Floor
 1082 MA-Amsterdam, The Netherlands
 Tel.+31 20 504 1852
 E-mail address:TrafiguraReach@trafigura.com

1.4. Emergency telephone number

Emergency telephone : +32 3 575 03 30 (This telephone number is available 24 hours per day, 7 days per week.)

UNITED KINGDOM
 National Poisons Information Service
 (Birmingham Centre) 0870 600 6266 (UK only)
 City Hospital

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008

CLP-Classification : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not classified

2.1.2. Classification according to EU Directives 67/548/EC or 1999/45/EC

Not classified


2.2. Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

Not applicable.

2.2.2. Labelling according to Directives (67/548 - 1999/45)

Not relevant

	SAFETY DATA SHEET	Page : 2/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

2.3. Other hazards

Other hazards which do not result in classification : Results of PBT and vPvB assessment : not applicable .

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Lead	(CAS No.) 7439-92-1 (EC No) 231-100-4 (EC Index) -	> 99	Not classified
Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lead	(CAS No.) 7439-92-1 (EC No) 231-100-4 (EC Index) -	> 99	Not classified

Full text of R-, H- and EUH-phrases: see section 16.


3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	: Move to fresh air. Keep at rest. In case of shortness of breath, give oxygen. Consult a physician if necessary.
Skin contact	: After contact with skin, wash immediately with plenty of soap and water.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion	: Clean mouth with water and drink afterwards plenty of water. If ingested, induce vomiting. If you feel unwell, seek medical advice (show the label where possible).
Additional advice	: Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Symptoms may be delayed. Treat symptomatically. When symptoms persist or in all cases of doubt seek medical advice.

	SAFETY DATA SHEET	Page : 3/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	: No adverse effects are expected. Heavy metals may be released in hazardous concentrations in the form of dusts or fumes. Inhalation of high vapour concentrations can cause CNS-depression and narcosis. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Vapours may cause drowsiness and dizziness. Symptoms may be delayed.
Skin contact	: No adverse effects are expected.
Eye contact	: No adverse effects are expected.
Ingestion	: No adverse effects are expected.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Special powder against metal fire
Extinguishing media which shall not be used for safety reasons	: Water, Halogenated compounds

5.2. Special hazards arising from the substance or mixture

Fire Hazard	: Non flammable.
Specific hazards	: Heavy metals may be released in hazardous concentrations in the form of dusts or fumes (see sections 2 & 10). In case of fire hazardous decomposition products may be produced such as: Lead oxides Carbon oxides

5.3. Advice for firefighters

Advice for firefighters	: Special protective equipment for firefighters Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. See also section 8.
-------------------------	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel	: Ensure adequate ventilation. Do not breathe dust. Do not breathe vapours or spray mist. Wear personal protective equipment. See also section 8.
Advice for emergency responders	: Only qualified personnel equipped with suitable protective equipment may intervene.

6.2. Environmental precautions


Environmental precautions	: Prevent product from entering drains.
---------------------------	---

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up mechanically and collect in suitable container for disposal.
-------------------------	--

6.4. Reference to other sections

See also section 8. See also section 13.

	SAFETY DATA SHEET	Page : 4/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Handling : Avoid dust formation. Avoid contact with the skin and the eyes. Do not breathe vapours/dust. See also section 8.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Do not store near or with any of the incompatible materials listed in section 10. Keep in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

- Exposure limit(s) :
- Component** : **Lead (7439-92-1)**
- TLV-TWA (mg/m³) : 0,15 (BE, ES, LT, SK, HR); 0,1 (CH, SL); 0,05 (CZ, DK, EE, HU, PL); 0,005 (LV); 0,5 resp/0,1 tot (SE)
- TLV-STEL (mg/m³) : 0,8 (CH); 0,2 (CZ); 0,01 (LV); 1-3 (HR)

- Recommended monitoring procedures : Concentration measurement in air, Personal monitoring


8.2. Exposure controls

- Respiratory protection : In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Respirator with a full face mask (EN 136), Respirator with a half face mask (EN 140), Recommended Filter type: BP(EN 141).
- Hand protection : Protective gloves (EN 388).
- Eye protection : Safety glasses (EN 166).
- Skin and body protection : Overalls, apron and boots recommended.
- Engineering measures : Do not breathe vapours, mist or gas. Use only in area provided with appropriate exhaust ventilation. Organisational measures to prevent /limit releases, dispersion and exposure See also section 7 .
- Environmental exposure controls :

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance : solid
- Colour : grey

	SAFETY DATA SHEET	Page : 5/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

Odour	: odourless
pH	: Not applicable
Melting point/range	: 327 °C
Boiling point/boiling range	: 1740 °C
Flash point	: Not applicable
Explosion limits	: Not applicable
Vapour pressure	: Not applicable
Vapour density	: Not applicable
Relative density	: 11,4
Water solubility	: Insoluble
Partition coefficient: n-octanol/water	: Not applicable
Viscosity	: Not applicable
Explosive properties	: not applicable
Oxidizing properties	: Not applicable

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : See also section 10.5

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Heating can release hazardous gases.

10.4. Conditions to avoid

Conditions to avoid : Heat, flames and sparks. See also section 7 Handling and storage .

10.5. Incompatible materials


Incompatible materials : Ammonium nitrate Acids Strong oxidizing agents See also section 7 Handling and storage .

10.6. Hazardous decomposition products

Hazardous decomposition products : Possible decomposition products are: Lead oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

	SAFETY DATA SHEET	Page : 6/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

Acute toxicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Skin corrosion/irritation	: Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: Not applicable
Serious eye damage/irritation	: Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: Not applicable
Respiratory/skin sensitisation	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Germ cell mutagenicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Carcinogenicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Reproductive toxicity	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Specific target organ toxicity (single exposure)	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Specific target organ toxicity (repeated exposure)	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Aspiration hazard	: Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Further information

Symptoms related to the physical, chemical and toxicological characteristics, See section 4.2.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity effects : Ecological injuries are not known or expected under normal use.

12.2. Persistence and degradability

Persistence and degradability : Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation : May cause bioaccumulation.


Partition coefficient: n-octanol/water : Not applicable

12.4. Mobility in soil

Mobility : insoluble

12.5. Results of PBT and vPvB assessment

PBT/vPvB : not applicable

	SAFETY DATA SHEET	Page : 7/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

12.6. Other adverse effects

Further information : Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products : Dispose of as hazardous waste in compliance with local and national regulations. Where possible recycling is preferred to disposal or incineration.

Contaminated packaging :

Additional ecological information : Should not be released into the environment.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Authorisations/Restrictions on use : Not applicable.

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC. : Not applicable.

15.1.2. National regulations

WGK : nwg

15.2. Chemical safety assessment


Chemical Safety Assessment : A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Sources of key data used to compile the datasheet : <http://ecb.jrc.ec.europa.eu>
<http://toxnet.nlm.nih.gov/>
International Lead Association.

Safety datasheet sections which have been updated: : 1,2,4,9,10,16,11,15

Abbreviations and acronyms : ADNR = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC

	SAFETY DATA SHEET	Page : 8/ 8
		Revision nr : 3
	LEAD (Massive)	Issuing date : 02/01/2012
		Supersedes : 02/02/2011

IATA = International Air Transport Association
 IMDG = International Maritime Dangerous Goods Code
 LEL = Lower Explosive Limit/Lower Explosion Limit
 UEL = Upper Explosion Limit/Upper Explosive Limit
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.