



# Instead of Lead GOLD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 08/09/2020 Revision date: 08/09/2020 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Name : Instead of Lead GOLD  
UFI : MEA8-2019-C00E-S405  
Product code : 03010  
Article number : 03010US

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Consumer use  
Professional use.  
Function or use category : Fuel additives

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV  
Maxwellstraat 41  
3316 GP Dordrecht  
Nederland  
T 0031 78 651 2322 - F 0031 78 617 4848  
[mjkooijman@bardahl.nl](mailto:mjkooijman@bardahl.nl) - [www.bardahl.nl](http://www.bardahl.nl)

#### 1.4. Emergency telephone number

Emergency number : +31 (0) 6 54924171  
During office hours: 8.30 t/m 17:00 h

| Country        | Official advisory body                                                                           | Address                         | Emergency number | Comment                              |
|----------------|--------------------------------------------------------------------------------------------------|---------------------------------|------------------|--------------------------------------|
|                | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St<br>Thomas' Hospital Trust | Avonley Road<br>SE14 5ER London | 0870 243 2241    |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital                     | Dudley Road<br>B18 7QH          | 0344 892 0111    | Only for healthcare<br>professionals |
| United Kingdom | National Poisons Information Service<br>(Belfast Centre)<br>Royal Victoria Hospital              | Grosvenor Road<br>BT12 6BA      | 0344 892 0111    | Only for healthcare<br>professionals |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4 H302  
Acute toxicity (inhal.), Category 4 H332  
Carcinogenicity, Category 2 H351  
Aspiration hazard, Category 1 H304

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word (CLP)              | : Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Contains                       | : Petroleum Distillates (Diesel Fuel No. 2); Tricarbonyl(methylcyclopentadienyl)manganese; Solvent naphtha (petroleum), heavy arom.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hazard statements (CLP)        | : H302+H332 - Harmful if swallowed or if inhaled.<br>H304 - May be fatal if swallowed and enters airways.<br>H351 - Suspected of causing cancer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Precautionary statements (CLP) | : P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P261 - Avoid breathing dust, fume, gas, mist, spray, vapours.<br>P264 - Wash hands thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection.<br>P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.<br>P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.<br>P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P308+P313 - IF exposed or concerned: Get medical advice/attention.<br>P312 - Call a POISON CENTER or doctor/physician if you feel unwell.<br>P330 - Rinse mouth.<br>P331 - Do NOT induce vomiting.<br>P405 - Store locked up.<br>P501 - Dispose of contents/container in accordance with local, regional, national and/or international regulation. |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                         | Product identifier                                                     | %            | Classification according to Regulation (EC) No. 1272/2008 [CLP]                   |
|----------------------------------------------|------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|
| Petroleum Distillates (Diesel Fuel No. 2)    | CAS-No.: 68476-34-6<br>EC-No.: 270-676-1<br>EC Index-No.: 649-227-00-2 | 50 – 80      | Carc. 2, H351                                                                     |
| Tricarbonyl(methylcyclopentadienyl)manganese | CAS-No.: 12108-13-3<br>EC-No.: 235-166-5<br>REACH-no: 01-2119495971-23 | 3.618 – 6.03 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Dermal), H310<br>Aquatic Acute 1, H400 |

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| Name                   | Product identifier                                                                                | %                 | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                  |
|------------------------|---------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,2,4-trimethylbenzene | CAS-No.: 95-63-6<br>EC-No.: 202-436-9<br>EC Index-No.: 601-043-00-3<br>REACH-no: 01-2119472135-42 | 0.01 – 1          | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Aquatic Chronic 2, H411 |
| naphthalene            | CAS-No.: 91-20-3<br>EC-No.: 202-049-5<br>EC Index-No.: 601-052-00-2                               | 0.07937 – 0.39082 | Flam. Sol. 2, H228<br>Acute Tox. 4 (Oral), H302<br>Carc. 2, H351<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                             |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a physician immediately.                                                                                                                      |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.                                     |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.                   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Call a physician immediately. Do not induce vomiting.                                                                                 |

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

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/effects                    | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Irritation.                        |
| Symptoms/effects after eye contact  | : Serious damage to eyes.            |
| Symptoms/effects after ingestion    | : Risk of lung oedema.               |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--------------------------------------------------|--------------------------------|

### 5.3. Advice for firefighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust, vapours, spray, mist, gas, fume. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe gas, fumes, vapour or spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in dry, well-ventilated area. Keep cool. Keep container tightly closed.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

##### naphthalene (91-20-3)

##### EU - Indicative Occupational Exposure Limit (IOEL)

|                 |                      |
|-----------------|----------------------|
| IOEL TWA        | 52 mg/m <sup>3</sup> |
| IOEL TWA [ppm]  | 10 ppm               |
| IOEL STEL       | 79 mg/m <sup>3</sup> |
| IOEL STEL [ppm] | 15 ppm               |

##### United Kingdom - Occupational Exposure Limits

|                       |                      |
|-----------------------|----------------------|
| WEL TWA (OEL TWA) [1] | 50 mg/m <sup>3</sup> |
|-----------------------|----------------------|

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### 1,2,4-trimethylbenzene (95-63-6)

#### EU - Indicative Occupational Exposure Limit (IOEL)

|                |                       |
|----------------|-----------------------|
| IOEL TWA       | 125 mg/m <sup>3</sup> |
| IOEL TWA [ppm] | 25 ppm                |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Safety glasses.

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

#### Eye protection

| Type           | Field of application | Characteristics | Standard |
|----------------|----------------------|-----------------|----------|
| Safety glasses |                      |                 |          |

##### 8.2.2.2. Skin protection

#### Skin and body protection

| Type                              | Standard |
|-----------------------------------|----------|
| Wear suitable protective clothing |          |

#### Hand protection

| Type          | Material | Permeation | Thickness (mm) | Penetration | Standard |
|---------------|----------|------------|----------------|-------------|----------|
| Safety gloves |          |            |                |             |          |

##### 8.2.2.3. Respiratory protection

##### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

##### 8.2.2.4. Thermal hazards

No additional information available

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### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                         |
|-------------------------------------------------|-----------------------------------------|
| Physical state                                  | : Liquid                                |
| Colour                                          | : amber.                                |
| Odour                                           | : characteristic.                       |
| Odour threshold                                 | : Not available                         |
| Melting point                                   | : Not available                         |
| Freezing point                                  | : Not available                         |
| Boiling point                                   | : Not available                         |
| Flammability                                    | : Not available                         |
| Lower explosion limit                           | : Not available                         |
| Upper explosion limit                           | : Not available                         |
| Flash point                                     | : 63.3 °C PMCC typical                  |
| Auto-ignition temperature                       | : Not available                         |
| Decomposition temperature                       | : Not available                         |
| pH                                              | : Not available                         |
| Viscosity, kinematic                            | : 3.4 mm <sup>2</sup> /s (40°C) typical |
| Solubility                                      | : Not available                         |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                         |
| Vapour pressure                                 | : Not available                         |
| Vapour pressure at 50°C                         | : Not available                         |
| Density                                         | : 0.856 g/cm <sup>3</sup> typical       |
| Relative density                                | : Not available                         |
| Relative vapour density at 20°C                 | : Not available                         |
| Particle characteristics                        | : Not applicable                        |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Harmful if inhaled.

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|                     |                      |
|---------------------|----------------------|
| ATE CLP (oral)      | 500 mg/kg bodyweight |
| ATE CLP (gases)     | 4500 ppmv/4h         |
| ATE CLP (vapours)   | 11 mg/l/4h           |
| ATE CLP (dust,mist) | 1.5 mg/l/4h          |

#### Petroleum Distillates (Diesel Fuel No. 2) (68476-34-6)

|                       |              |
|-----------------------|--------------|
| LD50 oral rat         | > 5000 mg/kg |
| LD50 dermal rabbit    | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 5 mg/l/4h  |

#### naphthalene (91-20-3)

|                 |              |
|-----------------|--------------|
| LD50 oral rat   | 2600 mg/kg   |
| LD50 dermal rat | > 2500 mg/kg |

#### 1,2,4-trimethylbenzene (95-63-6)

|                       |                         |
|-----------------------|-------------------------|
| LC50 Inhalation - Rat | 18000 mg/m <sup>3</sup> |
|-----------------------|-------------------------|

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Harmful if inhaled.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Suspected of causing cancer.  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

#### 1,2,4-trimethylbenzene (95-63-6)

|                        |                                                 |
|------------------------|-------------------------------------------------|
| STOT-single exposure   | May cause respiratory irritation.               |
| STOT-repeated exposure | : Not classified                                |
| Aspiration hazard      | : May be fatal if swallowed and enters airways. |

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|                      |                                       |
|----------------------|---------------------------------------|
| Viscosity, kinematic | 3.4 mm <sup>2</sup> /s (40°C) typical |
|----------------------|---------------------------------------|

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects. Harmful to aquatic life.

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Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| naphthalene (91-20-3)              |           |
|------------------------------------|-----------|
| LC50 - Fish [1]                    | 0.51 mg/l |
| EC50 - Crustacea [1]               | 3.4 mg/l  |
| 1,2,4-trimethylbenzene (95-63-6)   |           |
| LC50 - Fish [1]                    | 7.72 mg/l |
| EC50 - Other aquatic organisms [1] | 3.6 mg/l  |

### 12.2. Persistence and degradability

| Petroleum Distillates (Diesel Fuel No. 2) (68476-34-6) |                           |
|--------------------------------------------------------|---------------------------|
| Persistence and degradability                          | Inherently biodegradable. |
| naphthalene (91-20-3)                                  |                           |
| Persistence and degradability                          | Inherently biodegradable. |

### 12.3. Bioaccumulative potential

| Petroleum Distillates (Diesel Fuel No. 2) (68476-34-6) |         |
|--------------------------------------------------------|---------|
| Partition coefficient n-octanol/water (Log Pow)        | 3.9 – 6 |
| 1,2,4-trimethylbenzene (95-63-6)                       |         |
| Partition coefficient n-octanol/water (Log Kow)        | 3.63    |

### 12.4. Mobility in soil

| Petroleum Distillates (Diesel Fuel No. 2) (68476-34-6) |           |
|--------------------------------------------------------|-----------|
| Surface tension                                        | 0.025 N/m |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with / / / ADR / IMDG / IATA / ADN / RID

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| ADR                                                                                                                  | IMDG                                                                                                            | IATA                                                                                                            | ADN                                                                                                             | RID                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>14.1. UN number or ID number</b>                                                                                  |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |
| UN 3082                                                                                                              | UN 3082                                                                                                         | UN 3082                                                                                                         | UN 3082                                                                                                         | UN 3082                                                                                                         |
| <b>14.2. UN proper shipping name</b>                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                                                  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                                             | Environmentally hazardous substance, liquid, n.o.s.                                                             | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                                             | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                                             |
| <b>Transport document description</b>                                                                                |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Petroleum Distillates (Diesel Fuel No. 2)), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Petroleum Distillates (Diesel Fuel No. 2)), 9, III | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Petroleum Distillates (Diesel Fuel No. 2)), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Petroleum Distillates (Diesel Fuel No. 2)), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Petroleum Distillates (Diesel Fuel No. 2)), 9, III |
| <b>14.3. Transport hazard class(es)</b>                                                                              |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |
| 9                                                                                                                    | 9                                                                                                               | 9                                                                                                               | 9                                                                                                               | 9                                                                                                               |
|                                    |                               |                               |                             |                             |
| <b>14.4. Packing group</b>                                                                                           |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |
| III                                                                                                                  | III                                                                                                             | III                                                                                                             | III                                                                                                             | III                                                                                                             |
| <b>14.5. Environmental hazards</b>                                                                                   |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |
| Dangerous for the environment: No                                                                                    | Dangerous for the environment: No<br>Marine pollutant: No                                                       | Dangerous for the environment: No                                                                               | Dangerous for the environment: No                                                                               | Dangerous for the environment: No                                                                               |
| No supplementary information available                                                                               |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |

### 14.6. Special precautions for user

#### Overland transport

|                                                                         |                           |
|-------------------------------------------------------------------------|---------------------------|
| Classification code (ADR)                                               | : M6                      |
| Special provisions (ADR)                                                | : 274, 335, 375, 601      |
| Limited quantities (ADR)                                                | : 5I                      |
| Excepted quantities (ADR)                                               | : E1                      |
| Packing instructions (ADR)                                              | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)                                        | : PP1                     |
| Mixed packing provisions (ADR)                                          | : MP19                    |
| Portable tank and bulk container instructions (ADR)                     | : T4                      |
| Portable tank and bulk container special provisions (ADR)               | : TP1, TP29               |
| Tank code (ADR)                                                         | : LGBV                    |
| Vehicle for tank carriage                                               | : AT                      |
| Transport category (ADR)                                                | : 3                       |
| Special provisions for carriage - Packages (ADR)                        | : V12                     |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13                    |
| Hazard identification number (Kemler No.)                               | : 90                      |

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|                               |   |                                                                                   |
|-------------------------------|---|-----------------------------------------------------------------------------------|
| Orange plates                 | : |  |
| Tunnel restriction code (ADR) | : | -                                                                                 |
| EAC code                      | : | •3Z                                                                               |

### Transport by sea

|                                   |   |               |
|-----------------------------------|---|---------------|
| Special provisions (IMDG)         | : | 274, 335, 969 |
| Limited quantities (IMDG)         | : | 5 L           |
| Excepted quantities (IMDG)        | : | E1            |
| Packing instructions (IMDG)       | : | LP01, P001    |
| Special packing provisions (IMDG) | : | PP1           |
| IBC packing instructions (IMDG)   | : | IBC03         |
| Tank instructions (IMDG)          | : | T4            |
| Tank special provisions (IMDG)    | : | TP1, TP29     |
| EmS-No. (Fire)                    | : | F-A           |
| EmS-No. (Spillage)                | : | S-F           |
| Stowage category (IMDG)           | : | A             |

### Air transport

|                                              |   |                 |
|----------------------------------------------|---|-----------------|
| PCA Excepted quantities (IATA)               | : | E1              |
| PCA Limited quantities (IATA)                | : | Y964            |
| PCA limited quantity max net quantity (IATA) | : | 30kgG           |
| PCA packing instructions (IATA)              | : | 964             |
| PCA max net quantity (IATA)                  | : | 450L            |
| CAO packing instructions (IATA)              | : | 964             |
| CAO max net quantity (IATA)                  | : | 450L            |
| Special provisions (IATA)                    | : | A97, A158, A197 |
| ERG code (IATA)                              | : | 9L              |

### Inland waterway transport

|                                   |   |                    |
|-----------------------------------|---|--------------------|
| Classification code (ADN)         | : | M6                 |
| Special provisions (ADN)          | : | 274, 335, 375, 601 |
| Limited quantities (ADN)          | : | 5 L                |
| Excepted quantities (ADN)         | : | E1                 |
| Equipment required (ADN)          | : | PP                 |
| Number of blue cones/lights (ADN) | : | 0                  |

### Rail transport

|                                                                         |   |                         |
|-------------------------------------------------------------------------|---|-------------------------|
| Classification code (RID)                                               | : | M6                      |
| Special provisions (RID)                                                | : | 274, 335, 375, 601      |
| Limited quantities (RID)                                                | : | 5L                      |
| Excepted quantities (RID)                                               | : | E1                      |
| Packing instructions (RID)                                              | : | P001, IBC03, LP01, R001 |
| Special packing provisions (RID)                                        | : | PP1                     |
| Mixed packing provisions (RID)                                          | : | MP19                    |
| Portable tank and bulk container instructions (RID)                     | : | T4                      |
| Portable tank and bulk container special provisions (RID)               | : | TP1, TP29               |
| Tank codes for RID tanks (RID)                                          | : | LGBV                    |
| Transport category (RID)                                                | : | 3                       |
| Special provisions for carriage – Packages (RID)                        | : | W12                     |
| Special provisions for carriage - Loading, unloading and handling (RID) | : | CW13, CW31              |
| Colis express (express parcels) (RID)                                   | : | CE8                     |
| Hazard identification number (RID)                                      | : | 90                      |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# Instead of Lead GOLD

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Abbreviations and acronyms:

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Abbreviations and acronyms:<br><br>RID: Regulations Concerning the International Transport of Dangerous Goods by Rail<br>ICAO: International Civil Aviation Organization<br>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road<br>IMDG: International Maritime Code for Dangerous Goods<br>IATA: International Air Transport Association<br>GHS: Globally Harmonized System of Classification and labelling of Chemicals<br>EINECS: European Inventory of Existing Commercial Chemical Substances<br>ELINCS: European List of Notified Chemical Substances<br>CAS: Chemical Abstracts Service (division of the American Chemical Society)<br>VOC: Volatile Organic Compounds (USA, EU)<br>LC50: Lethal concentration, 50 percent<br>LD50: Lethal dose, 50 percent |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Full text of H- and EUH-statements:

|                           |                                     |
|---------------------------|-------------------------------------|
| Acute Tox. 2 (Dermal)     | Acute toxicity (dermal), Category 2 |
| Acute Tox. 3 (Oral)       | Acute toxicity (oral), Category 3   |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |

# Instead of Lead GOLD

## Safety Data Sheet

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| Full text of H- and EUH-statements: |                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                                          |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1                            |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1                          |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2                          |
| Carc. 2                             | Carcinogenicity, Category 2                                                                |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                                              |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                                              |
| Flam. Sol. 2                        | Flammable solids, Category 2                                                               |
| H226                                | Flammable liquid and vapour.                                                               |
| H228                                | Flammable solid.                                                                           |
| H301                                | Toxic if swallowed.                                                                        |
| H302                                | Harmful if swallowed.                                                                      |
| H304                                | May be fatal if swallowed and enters airways.                                              |
| H310                                | Fatal in contact with skin.                                                                |
| H315                                | Causes skin irritation.                                                                    |
| H319                                | Causes serious eye irritation.                                                             |
| H332                                | Harmful if inhaled.                                                                        |
| H335                                | May cause respiratory irritation.                                                          |
| H351                                | Suspected of causing cancer.                                                               |
| H400                                | Very toxic to aquatic life.                                                                |
| H410                                | Very toxic to aquatic life with long lasting effects.                                      |
| H411                                | Toxic to aquatic life with long lasting effects.                                           |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                                      |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.