

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name : METALSTAR 06 7001 Gold  
Material number : 072131RC0

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

This information is not available.

**1.3 Details of the supplier of the safety data sheet**

Company : ECKART GmbH  
Guentersthal 4  
91235 Hartenstein  
Telephone : +499152770  
Telefax : +499152777008  
E-mail address : msds.eckart@altana.com  
Responsible/issuing person

**1.4 Emergency telephone number****NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

**SECTION 2: Hazards identification****GHS Classification**

: Skin corrosion/irritation, Category 3, H316

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

**GHS-Labeling**

Signal word : Warning

Hazard statements : H316: Causes mild skin irritation.

Precautionary statements : **Response:**  
P332 + P317 If skin irritation occurs: Get medical help.

**Hazardous components which must be listed on the label****SECTION 3: Composition/information on ingredients**


Substance No. :

**Hazardous components**

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
Distillates (petroleum), hydrotreated middle; Gasoil — unspecified	64742-46-7 265-148-2	Asp. Tox.;1;H304	20 - 25
aluminium powder (stabilised)	7429-90-5 231-072-3	Flam. Sol.;1;H228	1 - 10
manganese neodecanoate	27253-32-3 248-374-6	Acute Tox.;4;H302 ;2;H315	1 - 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

Page 2 / 19	102000000236	A member of  <b>ALTANA</b>
-------------	--------------	---

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

General advice	: Move the victim to fresh air. Do not leave the victim unattended.  Do not leave the victim unattended.
If inhaled	: Remove to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water.  If skin irritation persists, call a physician. If on clothes, remove clothes.
In case of eye contact	: Immediately flush eye(s) with plenty of water.  Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.


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

This information is not available.

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

This information is not available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Page 3 / 19	102000000236	A member of  <b>ALTANA</b>
-------------	--------------	---

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

Suitable extinguishing media : Dry sand, ABC powder, Foam

Unsuitable extinguishing media : High volume water jet

High volume water jet

**5.2 Special hazards arising from the substance or mixture**

This information is not available.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

---

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Evacuate personnel to safe areas.  
Use personal protective equipment.

**6.2 Environmental precautions**

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3 Methods and materials for containment and cleaning up**

Methods for cleaning up : Use mechanical handling equipment.  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For personal protection see section 8.

---

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Earthing of containers and apparatuses is essential. Reaction with water liberates extremely flammable gas (hydrogen) Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.
- Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Protect from humidity and water.

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

## METALSTAR 06 7001 Gold

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

Advice on common storage : Do not store near acids. Do not store together with oxidizing and self-igniting products. Never allow product to get in contact with water during storage. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Distillates (petroleum), hydrotreated middle; Gasoil — unspecified	64742-46-7	AGW	600 mg/m <sup>3</sup>	2009-02-16	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)				
Further information	Group exposure limit for hydrocarbon solvent mixtures Commission for dangerous substances See also No. 2.9 of the TRGS 900				
aluminium powder (stabilised)	7429-90-5	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)				

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)				

**United States of America (USA):**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (total)	10 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised)	7429-90-5	PEL (Total dust)	10 mg/m3	2014-11-26	
aluminium powder (stabilised)	7429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2008-01-01	
aluminium	7429-90-5	TWA	5 mg/m3	2005-09-01	

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

powder (stabilised)					
aluminium powder (stabilised)	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable particulate matter)	1 mg/m3	2013-03-01	
aluminium powder (stabilised)	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02	
aluminium powder (stabilised)	7429-90-5	PEL (Pyro powders)	5 mg/m3	2017-10-02	



Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

Safflower oil	8001-23-8	TWA (mist - total)	10 mg/m3	2013-10-08	
Safflower oil	8001-23-8	TWA (mist - respirable)	5 mg/m3	2013-10-08	
Safflower oil	8001-23-8	PEL (Total dust)	10 mg/m3	2014-11-26	
Safflower oil	8001-23-8	PEL (respirable dust fraction)	5 mg/m3	2014-11-26	

**8.2 Exposure controls****Personal protective equipment**

Eye protection : Goggles  
: Tightly fitting safety goggles

Hand protection  
Material : Solvent-resistant gloves (butyl-rubber)

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).  
The exact break through time can be obtained from the protective glove producer and this has to be observed.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Recommended preventive skin protection  
Skin should be washed after contact.  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

- : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : Use suitable breathing protection if workplace concentration requires.

**Environmental exposure controls**

- General advice :
- : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Water : The product should not be allowed to enter drains, water courses or the soil.
- :

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Appearance : liquid
- Colour : gold
- Odour : characteristic
- pH : substance/mixture is non-soluble (in water)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

Freezing point : No data available  
Boiling point/boiling range : > 100 °C  
Flash point : > 100 °C

Bulk density : No data available  
Flammability (solid, gas) : No data available  
Auto-flammability : No data available  
Upper explosion limit : No data available  
Lower explosion limit : No data available  
Vapour pressure : No data available  
Density : No data available  
Water solubility : No data available  
Miscibility with water : immiscible  
Solubility in other solvents : No data available  
Partition coefficient: n-octanol/water : No data available  
Ignition temperature : No data available  
Thermal decomposition : No data available

Viscosity  
Viscosity, dynamic : No data available  
Viscosity, kinematic : > 21 mm<sup>2</sup>/s (40 °C)  
  
Flow time : No data available

**9.2 Other information**

No data available

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

---

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No decomposition if stored and applied as directed.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Contact with acids and alkalis may release hydrogen.

No decomposition if stored and applied as directed.

**10.4 Conditions to avoid**

Conditions to avoid : Do not allow evaporation to dryness.

No data available

**10.5 Incompatible materials**

Materials to avoid : Acids  
Bases  
Oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products : No data available

Other information : No data available

---

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

**Acute toxicity****Components:****manganese neodecanoate :**

Acute oral toxicity : The component/mixture is moderately toxic after single ingestion.

**Skin corrosion/irritation****Product**

May cause skin irritation and/or dermatitis.

**Serious eye damage/eye irritation****Product**

Vapours may cause irritation to the eyes, respiratory system and the skin.

**Respiratory or skin sensitisation**

No data available

**Carcinogenicity**

No data available

**Toxicity to reproduction/fertility**

No data available

**Reprod.Tox./Development/Teratogenicity**

No data available

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

**Further information****Product**

No data available

---

**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects****Product:**

Additional ecological : No data available  
information

---

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

---

**SECTION 14: Transport information****14.1 UN number****ADR**

Not dangerous goods

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.2 Proper shipping name****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.3 Transport hazard class****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**



Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

Not dangerous goods

**IATA**

Not dangerous goods

**14.4 Packing group****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.5 Environmental hazards****14.6 Special precautions for user**

Not classified as dangerous in the meaning of transport regulations.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

---

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Prohibition/Restriction**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

**Prohibition/Restriction**

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

**Prohibition/Restriction**

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

**Prohibition/Restriction**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Banned and/or restricted (Distillates (petroleum), hydrotreated middle; Gasoil — unspecified) (aluminium powder (stabilised))

**15.2 Chemical safety assessment**

No data available

---

**SECTION 16: Other information****Full text of H-Statements**

H228 : Flammable solid.  
H302 : Harmful if swallowed.

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**METALSTAR 06 7001 Gold**

Version 7.0

Revision Date 02.06.2022

Print Date 03.06.2022

H304 : May be fatal if swallowed and enters airways.  
H315 : Causes skin irritation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.