according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



# METALSTAR 06 7500 PANTONE PREMIUM SILVER

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

#### 1.1 Product identifier

Trade name	:	METALSTAR 06 7500 PANTONE PREMIUM SILVER
Product code	:	051755RC0M1

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

Use of the	:	Colorant; Printing ink related material; Printing ink, Colouring
Substance/Mixture		agents, dyes

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

Company	:	ECKART Suisse SA Route de la Brasserie 2 1963 Vétroz
Telephone	:	+410273454800
Telefax	:	+410273454859
E-mail address of person responsible for the SDS	:	msds.eckart@altana.com

### 1.4 Emergency telephone number

NCEC: +44 1235 239670 (Europe) Call and response in your language is possible. Contract no.: ECKART29003-NCEC.

## **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

## Classification (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

### 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

### Additional Labelling

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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EUH210 Safety data sheet available on request.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

Components			1
Chemical name	CAS-No.	ClassificationREGUL	Concentration
	EC-No.	ATION (EC) No	(% w/w)
	Index-No.	1272/2008	
	Registration number		
Distillates (petroleum),	64742-46-7	Asp. Tox. 1; H304	>= 25 - < 50
hydrotreated middle; Gasoil —	265-148-2	EUH066	
unspecified	649-221-00-X		
aluminium powder (stabilised)	7429-90-5	Flam. Sol. 1; H228	>= 10 - < 20
	231-072-3		
	013-002-00-1		
	01-2119529243-45		
manganese neodecanoate	27253-32-3	Acute Tox. 4; H302	>= 1 - < 10
	248-374-6	Skin Irrit. 2; H315	

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

General advice	:	Move the victim to fresh air.
		Do not leave the victim unattended.
lf 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 co	ontact :	Wash off immediately with soap and plenty of water.

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In cas	e of eye contact	If on clothes, rem	ersists, call a physician. hove clothes. h eye(s) with plenty of water.
		Remove contact Keep eye wide o	water as a precaution. lenses. pen while rinsing. ersists, consult a specialist.
lf swa	llowed	Never give anyth	tract clear. or alcoholic beverages. ing by mouth to an unconscious person. sist, call a physician.

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

None known.

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

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media	:	Dry sand ABC powder Foam
Unsuitable extinguishing media	:	High volume water jet Carbon dioxide (CO2)
		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.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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SECTIO	N 6: Accidental rele	ase measures	
6.1 Perso	nal precautions, prot	ective equipment an	d emergency procedures
Perso	onal precautions		onnel to safe areas.
		Use personal p	rotective equipment.
6.2 Envir	onmental precautions	5	
Gene	eral advice	: The product sh courses or the	ould not be allowed to enter drains, water soil.
		Prevent further	leakage or spillage if safe to do so.
6.3 Metho	ods and material for o	ontainment and clea	ning up
Meth	ods for cleaning up	: Use mechanica	I handling equipment.
			ert absorbent material (e.g. sand, silica gel, versal binder, sawdust).
		Wipe up with a	bsorbent material (e.g. cloth, fleece).
			e, 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 Normal measures for preventive fire protection. : fire and explosion 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.

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place. Electric	er tightly closed in a dry and well-ventilated al installations / working materials must comply ological safety standards.
: Protect from h	umidity and water.
Never allow p storage. Keep away fro	ear acids. ogether with oxidizing and self-igniting products. roduct to get in contact with water during om oxidizing agents, strongly alkaline and materials in order to avoid exothermic reactions.
: No decompos	ition if stored and applied as directed.
	10200000234 Keep contained place. Electric with the techn : Protect from h : Do not store n Do not store to Never allow pla storage. Keep away fro strongly acid r

## 7.3 Specific end use(s)

# **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
aluminium powder (stabilised)	7429-90-5	TWA (Inhalable)	10 mg/m3	GB EH40
		TWA (Respirable fraction)	4 mg/m3	GB EH40
		TWA (inhalable dust)	10 mg/m3	GB EH40
	inhalable dust when samplin MDHS14/4 Ge respirable, the substance has concentration inhalable dust any dust will b levels. Some must comply particles of a particular part response that distinguishes	are those fractions g is undertaken in a eneral methods for s pracic and inhalable zardous to health ind in air equal to or greater or 4 mg.m-3 8-hour be subject to COSHH dusts have been as with the appropriate wide range of sizes. icle after entry into the it elicits, depend on two size fractions for	ses of these limits, respirable of airborne dust which will be ccordance with the methods ampling and gravimetric ana aerosols., The COSHH defir cludes dust of any kind when eater than 10 mg.m-3 8-hour TWA of respirable dust. This I if people are exposed to du signed specific WELs and explimits., Most industrial dusts The behaviour, deposition a ne human respiratory system the nature and size of the pa r limit-setting purposes terme oproximates to the fraction of	e collected described in lysis or nition of a present at a TWA of s means that ust above these posure to these contain nd fate of any n, and the body article. HSE ed 'inhalable'

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	ava to t def con sho	ailable for deposition in the the fraction that penetrates finitions and explanatory mantain components that have ould be complied with., Whe	and mouth during breathing and respiratory tract. Respirable du to the gas exchange region of aterial are given in MDHS14/4., their own assigned WEL, all there no specific short-term expo erm exposure limit should be used the 4 mg/m3	ist approximates the lung. Fuller Where dusts ne relevant limits sure limit is listed,
	inh wha ME res sub con inh any lev mu pau pau pau res dis and ma ava to t def con	rther information: For the pralable dust are those fraction en sampling is undertaken DHS14/4 General methods pirable, thoracic and inhala bostance hazardous to health ncentration in air equal to o halable dust or 4 mg.m-3 8- by dust will be subject to CO rels. Some dusts have been ust comply with the appropri- rticles of a wide range of siz- rticular particle after entry in sponse that it elicits, dependent atterial that enters the nose a ailable for deposition in the the fraction that penetrates finitions and explanatory ma- ntain components that have ould be complied with., Whe	urposes of these limits, respirat ons of airborne dust which will in accordance with the method for sampling and gravimetric ar- ble aerosols., The COSHH def in includes dust of any kind whe r greater than 10 mg.m-3 8-hou nour TWA of respirable dust. The SHH if people are exposed to de assigned specific WELs and e ate limits., Most industrial dust zes. The behaviour, deposition to the human respiratory syste d on the nature and size of the is for limit-setting purposes terr and mouth during breathing and respiratory tract. Respirable du to the gas exchange region of aterial are given in MDHS14/4., their own assigned WEL, all the erm exposure limit should be us	be collected s described in halysis or finition of a in present at a ur TWA of his means that dust above these exposure to these s contain and fate of any em, and the body particle. HSE ned 'inhalable' of airborne d is therefore list approximates the lung. Fuller Where dusts he relevant limits sure limit is listed,

## Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
aluminium powder (stabilised)	Workers	Inhalation	Long-term systemic effects	3.72 mg/m3
	Workers	Inhalation	Long-term local effects	3.72 mg/m3
	Consumers	Oral	Long-term systemic effects	3.95 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
aluminium powder (stabilised)	Fresh water	0.0749 mg/l
	clarification plant	20 mg/l

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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### 8.2 Exposure controls

Personal protective equipmen Eye/face protection Hand protection Material	ent :	Goggles Tightly fitting safety goggles 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.
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.

# **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Form	:	liquid
Colour	:	silver
Odour	:	characteristic
Odour Threshold	:	No data available
Freezing point	:	No data available
Boiling point/boiling range	:	> 100 °C
Flammability	:	No data available
Upper explosion limit / Upper	:	No data available

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	flamma	ability limit			
Lower explosion limit / Lower flammability limit		:	No data available	2	
	Flash p	point	:	> 100 °C	
	Auto-ig	nition temperature	:	No data available	2
	Decom	position temperature	:	No data available	)
	рН		:	substance/mixtu	re is non-soluble (in water)
	Viscos Viscos	ity ity, kinematic	:	> 21 mm2/s (40	°C)
	Water	lity(ies) solubility lity in other solvents	:	insoluble No data available	9
	Partition coefficient: n- octanol/water		:	No data available	9
	Vapour pressure		:	No data available	9
	Vapor Pressure for Componer Distillates (petroleum), hydrotreated middle;		nts: :	4 hPa (40 °C)	
		oil — unspecified e density	:	No data available	2
	Densit	y	:	1.0 g/cm3	
	Relativ	e vapour density	:	No data available	)
		e characteristics ticle Size Distribution	:	No data available	9
<b>9.2 Other information</b> No data available					

# **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

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Hazaro	lous reactions			ds and alkalis may release hydrogen. on if stored and applied as directed.
	tions to avoid		not allow eva data availabl	poration to dryness. e
	als to avoid	: Acio Bas Oxio	-	i

### 10.6 Hazardous decomposition products

This information is not available.

## **SECTION 11: Toxicological information**

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

### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
---------------------	---	--

## Components:

aluminium powder (stabilised):							
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist					

### manganese neodecanoate: Acute oral toxicity

: Assessment: The component/mixture is moderately toxic after single ingestion.

## Skin corrosion/irritation

Not classified based on available information.

### Product:

Remarks : May cause skin irritation and/or dermatitis.

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	Compo	onents:								
	<b>manga</b> Result	nese neodecanoate:	:	Skin irritation						
	Serious eye damage/eye irritation Not classified based on available information.									
	<u>Product:</u> Remarks		:	: Vapours may cause irritation to the eyes, respiratory system and the skin.						
	Respiratory or skin sensitisation									
	Skin sensitisation Not classified based on available information.									
	<b>Respiratory sensitisation</b> Not classified based on available information.									
	Germ cell mutagenicity Not classified based on available information.									
		<b>ogenicity</b> ssified based on availa	able	information.						
	Compo	onents:								
Distillates (petroleum), hydrotreated middle; Gasoil — unspecified:Carcinogenicity -:Assessment:Classified based on the conditions cited in Nota N(EC) 1272/2008, Annex VI, Part 3, Note N)										
	•	ductive toxicity ssified based on availa	able	information.						
		- single exposure ssified based on availa	able	information.						
	STOT - repeated exposure Not classified based on available information.									
	Aspiration toxicity Not classified based on available information.									
11.2	Inform	nation on other hazard	ds							
	Furthe	r information								
	<u>Produ</u> Remar		:	No data available						



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## **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** No data available

### 12.5 Results of PBT and vPvB assessment

## Product:

Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

### Product:

Additional ecological	:	No data available
information		

:

## **SECTION 13: Disposal considerations**

European Waste Catalogue European Waste Catalogue	:	12 01 04 - non-ferrous metal dust and particles 10 03 21* - Aluminum thermal metallurgy wastes, other particles and dust (including ball mill dust) containing hazardous substances
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.

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			Dispose of as un Do not re-use en	•
SECTIO	N 14: Transport info	orma	tion	
14.1 UN n	umber or ID number			
ADR		:	Not regulated as	a dangerous good
IMDG	6	:	Not regulated as	a dangerous good
ΙΑΤΑ		:	Not regulated as	a dangerous good
14.2 UN p	oroper shipping name			
ADR		:	Not regulated as	a dangerous good
IMDG	à	:	Not regulated as	a dangerous good
ΙΑΤΑ		:	Not regulated as	a dangerous good
14.3 Trans	sport hazard class(es)	)		
ADR		:	Not regulated as	a dangerous good
IMDG	6	:	Not regulated as	a dangerous good
ΙΑΤΑ		:	Not regulated as	a dangerous good
14.4 Pack	ing group			
ADR		:	Not regulated as	a dangerous good
IMDG	6	:	Not regulated as	a dangerous good
ΙΑΤΑ	(Cargo)	:	Not regulated as	a dangerous good
ΙΑΤΑ	(Passenger)	:	Not regulated as	a dangerous good
	ronmental hazards egulated as a dangerou	us go	od	
14.6 Spec Rema	c <b>ial precautions for us</b> arks	ser :	Not classified as regulations.	dangerous in the meaning of transport
	<b>time transport in bulk</b> pplicable for product as		-	truments

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## **SECTION 15: Regulatory information**

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Distillates (petroleum), hydrotreated middle; Gasoil — unspecified (Number on list 3) aluminium powder (stabilised) (Number on list 40)
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable Not applicable

#### 15.2 Chemical safety assessment

No data available

## **SECTION 16: Other information**

Full text of H-Statements				
H228	:	Flammable solid.		
H302	:	Harmful if swallowed.		
H304	:	May be fatal if swallowed and enters airways.		
H315	:	Causes skin irritation.		
EUH066	:	Repeated exposure may cause skin dryness or cracking.		
Full text of other abbreviations				
Acute Tox.	:	Acute toxicity		
Asp. Tox.	:	Aspiration hazard		
Flam. Sol.	:	Flammable solids		
Skin Irrit.	:	Skin irritation		
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits		
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)		

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada);

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ECHA - European Chemicals Agency; EC-Number - European Community number; ECx Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration: NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

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

GB / EN