

# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

## 50 607 - AERO RETARDER

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

#### 1.1 Product identifier

Trade name 50 607 - AERO RETARDER  
retards drying time  
.  
Not to be used in pure !

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

##### General use

Products for creation of art.

##### Uses advised against

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

H. Schmincke & Co. GmbH & Co. KG  
Otto-Hahn-Str. 2  
D - 40699 Erkrath  
Tel. +49 (0) 211-2509-0  
Fax. +49 (0) 211-2509-497  
info@schmincke.de  
www.schmincke.de

##### Dept. responsible for information

Schmincke-Labor:  
Mo-Do 8.00-16.30, Fr 8.00-13.30  
Tel. +49 (0) 211-2509-474  
labor@schmincke.de

#### 1.4 Emergency telephone number

Emergency  
Information  
Phone #

Emergencycall Berlin  
(24h - counseling in german and english)  
+49 (0) 30-30686790

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

no hazard labelling required

#### 2.2 Label elements

##### Labelling (CLP)

##### Signal word

##### Hazard statements

no hazard labelling required

##### Safety precautions

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### 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterization

Water  
Additive  
Alcohol  
  
CAS-Number  
EINECS / ELINCS / NLP  
EU index number  
Customs tariff number  
REACH registration No.  
RTECS-no.  
Hazchem-Code  
CI-Number

### 3.2 Mixtures

Substance 1
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ethanol: < 3 %  
CAS-Number: 64-17-5  
Flam. Liq. 2; H225

#### Additional information

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

If you feel unwell, seek medical advice (show the label where possible).

#### In case of inhalation

Provide fresh air. Seek medical attention if problems persist.

#### In case of skin contact

Remove residues with soap and water. In case of skin irritation, consult a physician.

#### After eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 10 - 15 minutes. Seek medical attention if irritation persists.

#### After swallowing

Rinse mouth with water. Seek medical treatment in case of troubles.

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

No data available

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

#### Extinguishing media which must not be used for safety reasons

strong water jet

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

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In case of fire may be liberated: Carbon monoxide and carbon dioxide

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

Use appropriate respiratory protection.

#### Additional information

## SECTION 6: Accidental release measures

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

Avoid contact with skin, eyes, and clothing.

### 6.2 environmental precautions

Discharge into the environment must be avoided.

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

#### Methods for cleaning up

Collect spilled material using paper towels and dispose.

#### Additional information

### 6.4 Reference to other sections

Dispose of waste according to applicable legislation.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on safe handling

Handle in accordance with good industrial hygiene and safety practice.

#### Precautions against fire and explosion

No special measures are required.

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

#### Requirements for storerooms and containers

Store in a well-ventilated place. Keep container tightly closed. Keep away from sources of ignition and heat.

#### Hints on joint storage

#### Storage class

#### Further details

Protect from frost and exposure to sun.

### 7.3 Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

64-17-5 ethanol

DEU	WEL	500,000	mL/m <sup>3</sup>	-
DEU	WEL	960,000	mg/m <sup>3</sup>	2 (II); DGF; Y
USA	PEL (US)	1,000,000	ppm	8h (long term)
USA	PEL (US)	1,900,000	mg/m <sup>3</sup>	8h (long term)

### 8.2 Exposure controls

#### Occupational exposure controls

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection must be worn whenever the WEL levels have been exceeded.

##### Hand protection

Protective gloves

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### Eye protection

Goggles

### Body protection

Wear suitable protective clothing.

### General protection and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Physical state	liquid
Colour	clear
Odour	characteristic

	min	max
Initial boiling point and boiling range	~	100 °C

Melting point/freezing point

Flash point/flash point range

Flammability

Ignition temperature

Auto-ignition temperature

Explosion limits

Refraction index

Partition coefficient: n-octanol/water

Explosive properties

Vapour pressure

Density	~	20 °C
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	1,05 g/ml	
--	-----------	--

PH value	8,5	9,5
----------	-----	-----

Viscosity dynamic of

Viscosity dynamic up to

Viscosity kinematic of

Viscosity kinematic up to

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Product is stable under normal storage conditions.

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

Protect from frost and exposure to sun.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

Hazardous vapours may form during fires.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### In case of inhalation

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No data available  
**After swallowing**  
No data available  
**In case of skin contact**  
No data available  
**After eye contact**  
No data available

### Practical experience

### General remarks

### Toxicological tests

64-17-5 ethanol

oral	LD50	Rat		5000,000	mg/kg	-
inhalative	LC50	Rat		1800,000	mg/L	4h
dermal	LD50	Rabbit		10000,000	mg/kg	-

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

No data available

**Water Hazard Class** 1

**WGK catalog number**

**General information**

### 12.2 Persistence and degradability

#### Further details

Product is partially biodegradable.

**Oxygen demand**

### 12.3 Bioaccumulative potential

**Bioconcentration factor (BCF)**

**Partition coefficient: n-octanol/water**

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

**General information**

### Ecotoxicological effects

64-17-5 ethanol

not required	LC50	fish		8150,000	mg/L	48h
not required	EC50	Daphnia magna		14221,000	mg/L	48h

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

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**Waste key number**

080 112

080112 waste paint and varnish other than those mentioned in 080111

**Recommendation**

**Contaminated packaging**

**Waste key number**

**Recommendation**

**Additional information**

### SECTION 14: Transport information

**14.1 UN number**

**14.2 UN proper shipping name**

ADR, ADN No dangerous good in sense of these transport regulations.  
IMDG, IATA

**14.3 Transport hazard class(es)**

ADR, ADN  
IMDG  
IATA

**14.4 Packing group**

**14.5 Environmental hazards**

Marine Pollutant - IMDG  
Marine Pollutant - ADN

**14.6 Special precautions for user**

**Land transport**

Code: ADR/RID  
Kemmler-number  
Hazard label ADR  
Limited quantities  
Contaminated packaging: Instructions  
Contaminated packaging: Special provisions  
Special provisions for packing together  
Portable tanks: Instructions  
Portable tanks: Special provisions  
Tank coding  
Tunnel restriction  
Remarks  
EQ  
Special provisions

**Inland waterway craft**

Hazard label  
Limited quantities  
Transport permitted  
Equipment necessary  
Ventilation  
Remarks  
EQ  
Special provisions

**Sea transport**

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EmS  
Special provisions  
Limited quantities  
Contaminated packaging: Instructions  
Contaminated packaging: Special provisions  
IBC: Instructions  
IBC: Provisions  
Tank instructions IMO  
Tank instructions UN  
Tank instructions Special provisions  
Stowage and segregation  
Properties and observations  
Remarks  
EQ

### Air transport

Hazard  
Passenger  
Passenger LQ  
Cargo  
ERG  
Remarks  
EQ  
Special Provisioning

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

No data available

## SECTION 15: Regulatory information

### Bezeichner in aktueller Sprache fehlt!

### National regulations

#### Europe

Contents of VOC [%]  
Contents of VOC  
[g/L]  
Further regulations, limitations and legal requirements

#### Germany

Storage class  
Water Hazard Class 1  
WGK catalog number  
Incident regulation  
Information on working limitations  
Further regulations, limitations and legal requirements

#### Denmark

Further regulations, limitations and legal requirements

#### Hungary

Further regulations, limitations and legal requirements

#### Great Britain

Further regulations, limitations and legal requirements

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### Switzerland

Contents of VOC [%]

< 3 %

Further regulations, limitations and legal requirements

### Bezeichner in aktueller

#### Sprache fehlt!

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

### USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Signal Word

Principal Hazards

Hazardous Ingredients

Hazard Statement

Precaution Statement

First aid Statements

Children's Statement

Keep out of reach of children. For professional use only.

Required Statements

Conforms to ASTM D-4236.

### Japan

Further regulations, limitations and legal requirements

### Canada

Further regulations, limitations and legal requirements

## 15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Further information

Hazard statements (CLP)

H225 Highly flammable liquid and vapour.

#### Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

#### Literature

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### Reason of change

#### Additional information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.