

# SAFETY DATA SHEET

02100-1004

MSDS for #02100 - SCHMINCKE AQUA granulation spray Regulation (EC) No. 1907/2006 (REACH)

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## 50 737 - AQUA granulation spray

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

#### 1.1 Product identifier

Trade name 50 737 - AQUA granulation spray

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

##### General use

Products for creation of art.

##### Uses advised against

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#### 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

Schmincke-labor:

labor@schmincke.de

#### 1.4 Emergency telephone number

**Emergency  
Information  
Phone #**

**Emergencycall Berlin  
(24h - counseling in german and english)  
+49 (0) 30-30686700**

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Eye Irrit. 2; H319 Causes serious eye irritation.

Flam. Liq. 2; H225 Highly flammable liquid and vapour.

#### 2.2 Label elements

##### Labelling



##### Signal word

Danger

##### Hazard components for labelling

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##### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

##### Safety precautions

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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lenses, if present and easy to do. Continue rinsing.  
P403+P235 Store in a well-ventilated place. Keep cool.

### 2.3 Other hazards

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

#### Chemical characterisation

Alcohols  
Water  
solvents

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

ethanol: > 90 %  
CAS: 64-17-5  
REACH: 01-2119457610-43-XXXX  
Eye Irrit. 2; H319 / Flam. Liq. 2; H225

#### Additional information

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## 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.

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

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### 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

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**  
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## 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. Provide adequate ventilation.

**Additional information**  
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### 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**  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.

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

**Requirements for storerooms and containers**  
Keep in a cool, well-ventilated place.

**Hints on joint storage**  
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**Storage class**  
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**Further details**  
Protect from frost and exposure to sun.

### 7.3 Specific end use(s)

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

64-17-5 ethanol

DEU	WEL		200,000	mL/m <sup>3</sup>	-
DEU	WEL		380,000	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

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#### 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.  
 Combination filtering device (EN 14387) Use filter type A (= against vapours of organic substances)

##### Hand protection

Qualified materials: Butyl caoutchouc (butyl rubber)  
 Layer thickness > 0,50 mm  
 Breakthrough time > 480 min  
 Butoflex 650 - MAPA GmbH, Industriestraße 21- 25, D-27404 Zeven, Internet: www.mapa-pro.de  
 All information was derived in accordance with EU directive 89/686/EWG and the resultant EN 374 in cooperation with MAPA GmbH. This recommendation applies exclusively to the product and use named in Section 1. In the event of commingling or deviating conditions, contact the suppliers of CE-approved gloves. This information is abased on our current state of knowledge and describes the security standards applicable to our product for the purpose provided.

##### Eye protection

Goggles

##### Body protection

Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

##### 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

**Form** liquid  
**Colour** colourless  
**Odour** alcoholic

	min	max		
<b>Initial boiling point and boiling range</b>	---	---		
<b>Melting point/freezing point</b>	---	---		
<b>Flash point/flash point range</b>	---	12 °C		
<b>Flammability</b>	---	---		
<b>Ignition temperature</b>	235 °C	235 °C		
<b>Auto-ignition temperature</b>	---	---	---	
<b>Explosion limits</b>	3 Vol%	15 Vol%		
<b>Refraction index</b>	---	---	---	
<b>PH</b>	---	---	---	---
<b>Viscosity</b>	---	---	---	---
<b>Viscosity</b>	---	---	---	---

<b>Vapour pressure</b>	3500 hPa	20 °C	---
<b>Density and/or relative density</b>	0,79 g/ml	20 °C	---

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Partition coefficient: n-octanol/water ---

Danger of explosion ---

### 9.2 Other information

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Product is stable under normal storage conditions.

### 10.2 Chemical stability

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### 10.3 Possibility of hazardous reactions

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### 10.4 Conditions to avoid

Protect from frost and exposure to sun.

### 10.5 Incompatible materials

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### 10.6 Hazardous decomposition products

Hazardous vapours may form during fires.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicological tests

64-17-5 ethanol

oral	LD50	Rat		10470,00000	mg/kg	-
inhalative	LC50	Rat		38,00000	mg/L	(4h)
inhalative	LC50	Mouse	>	20,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	2000,00000	mg/kg	-

#### Acute toxicity

No data available

#### In case of inhalation

No data available

#### After swallowing

No data available

#### In case of skin contact

No data available

#### After eye contact

No data available

### Practical experience

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### General remarks

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## SECTION 12: Ecological information

### 12.1 Toxicity

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#### Ecotoxicological effects

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64-17-5 ethanol

LC50	Leuciscus idus		8140,00000	mg/L	48h
EC50	Chlorella vulgaris		275,00000	mg/L	(72h)
EC50	Daphnia magna	>	10000,00000	mg/L	48h

### Aquatic toxicity

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Water Hazard Class 1

WGK catalog number ---

General information

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### 12.2 Persistence and degradability

#### Further details

Product is partially biodegradable.

#### Oxygen demand

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### 12.3 Bioaccumulative potential

#### Bioconcentration factor (BCF)

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

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### 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

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

##### Waste key number

080111 080111\* waste paint and varnish containing organic solvents or other dangerous substances

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##### Recommendation

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#### Package

##### Waste key number

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##### Recommendation

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### Additional information

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## SECTION 14: Transport information

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### 14.1 UN number

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### 14.2 UN proper shipping name

ADR, ADN ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
IMDG, IATA ETHANOL SOLUTION

### 14.3 Transport hazard class(es)

ADR, ADN 3  
IMDG 3  
IATA 3

### 14.4 Packing group

II

### 14.5 Environmental hazards

Marine Pollutant - IMDG No  
Marine Pollutant - ADN No

### 14.6 Special precautions for user

#### Land transport (ADR/RID)

Code: ADR/RID F1  
Kemmler-number 33  
Hazard label ADR 3  
Limited quantities 1L  
Package: Instructions P001 - IBC02 - R001  
Package: Special Provisions -  
Special provisions for packing together MP19  
Portable tanks: Instructions T4  
Portable tanks: Special Provisions TP1  
Tank coding LGBF  
Tunnel restriction D/E  
Remarks ---  
EQ E2  
Special Provisions 144 - 601

#### Inland waterway craft (ADN)

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

#### Sea transport (IMDG)

EmS F-E, S-D  
Special Provisions 144  
Limited quantities 1L  
Package: Instructions P001  
Package: Special Provisions -  
IBC: Instructions IBC02  
IBC: Provisions -  
Tank instructions IMO -  
Tank instructions UN T4  
Tank instructions Special Provisions TP1  
Storage and segregation Category A  
Properties and observations ---

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Remarks ---  
EQ E2

### Air transport (IATA-DGR)

Hazard Flammable Liquid  
Passenger 353 (5L)  
Passenger LQ Y341 (1L)  
Cargo 364 (60L)  
ERG 3L  
Remarks ---  
EQ E2  
Special Provisioning A3

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

No data available

## SECTION 15: Regulatory information

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

#### 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  
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##### Denmark

Further regulations, limitations and legal requirements  
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##### Hungary

Further regulations, limitations and legal requirements  
---

##### Great Britain

Further regulations, limitations and legal requirements  
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##### Switzerland

Contents of VOC [%]  
~ 90  
Further regulations, limitations and legal requirements  
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### Further regulations, limitations and legal requirements

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### Federal Regulations

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### State Regulations

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### Japan

### Further regulations, limitations and legal requirements

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### Canada

### Further regulations, limitations and legal requirements

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## 15.2 Chemical Safety Assessment

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## SECTION 16: Other information

### Further information

**Hazard statements (CLP)** H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

### **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**

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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**

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### **Additional information**

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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.

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