

Safety Data Sheet 91/1 55/EEC (en)

Scent Mark Remover

Revised: 16.04.2004

1 Identification of the substance / preparation and of the company

Product: Scent Mark Remover

Use:

Company: Franz Rinke
Farnweg 5
86161 Augsburg

Phone: 0821/5892620

Fax: 0821/5892580

E-mail:

Homepage:

Emergency phone:

2 Composition / information on ingredients

Ingredient	EINECS/ELINCS	CAS	Content [%]	Symbol / R-phrases
Ammonia solution	215-647-6	1336-21-6	0.1<5	C& N 34-50
Propane/butane			1-<20	F+ 12
Propan-2-ol	200-661-7	67-63-0	1-<15	F&Xi 11-36-67

3 Hazards identification

R12: extremely flammable.

4 First aid measures

General information

Remove contaminated soaked clothing.

In the case of inhalation

Ensure supply of fresh air. If symptoms persist, refer for medical treatment.

In the case of skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

In the case of eye contact

In case of contact with eyes rinse thoroughly with water and consult a doctor.

In the case of ingestion

Not applicable.

Advice to the doctor

Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media

Water spray jet. Dry powder. Carbon dioxide. Foam.

Extinguishing media that must

Not be used

Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products

Risk of formation of toxic pyrolysis products.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Additional information

Cool endangered containers with water spray jet. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

6 Accidental release measures

Personal precautions

Ensure sufficient ventilation. Keep away from ignition sources.

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Environmental precautions Not relevant.
Methods for cleaning up/taking up Clean up mechanically. After taking up the material, dispose of it according to regulations.

7 Handling and storage

Advice on safe handling Only use in well aired areas. Avoid spilling or spraying in closed rooms.

Advice on protection against fire and explosion Keep away from ignition sources – do not smoke.

Requirements for storage rooms and vessels Only store in original containers. Provide solution-resistant and waterproof floors.

Advice on storage compatibility Do not store together with oxidizing agents.
Further information on storage conditions Keep containers in a well aired place. Protect against heating/overheating.

8 Exposure controls and personal protection

Additional advice on system design Ensure adequate workplace ventilation.

Ingredients with occupational exposure limits to be monitored:

Ingredient	Value:
Ammonia solution	MWC: 50ppm MWC: 35mg/m ³ , F=1=(DFG, Y)
Propane/butane	MWC: 1000ppm MWC: 1800mg/m ³ , F=4=(DFG)
Propan-2-ol	MWC: 200ppm MWC: 500mg/m ³ , F=4=(Y, BAT, DFG)

MWC = maximum workplace concentration, F = factor, short-term restriction

Respiratory protection Respiratory protection in case of high concentrations. Short-term mask, filter type A.

Hand protection Suitable safety gloves: butyl rubber, >120 min (EN 374)

Eye protection Safety goggles.

Skin protection None.

General protective measures Avoid contact with eyes and skin. Do not inhale gases/vapours/particulate matter.

Hygiene measures Do not eat, drink, smoke or take drugs while working.
Preventive skin protection by means of skin protective ointment. Wash hands during breaks and after finishing work.

Delimitation and monitoring of the environmental exposition Not determined.

9 Physical and chemical properties

Form:	Aerosol.	Density [g/ml]:	0.9
Colour:	Colourless.	Bulk density [kg/ m³]:	
Odour:	Characteristic.	Solubility in water:	Miscible.
Ph-value:	11	Partition coefficient n-octanol / water:	Not determined.

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Boiling point [°C]:	Not applicable.	Viscosity:	Not applicable.
Flash point [°C]:	Not applicable.	Relative vapour density determined in air:	Not applicable.
Flammability [°C]:	Not applicable.	Evaporation speed:	Not applicable.
Lower explosion limit:	2 Vol.-%	Melting point [°C]:	Not applicable.
Upper explosion limit:	12 Vol.-%	Autoignition temperature:	Not applicable.
Combustible properties:	No.	Decomposition temperature [°C]:	Not applicable.
Vapour pressure [kPa]:	Not applicable.		

10 Stability and reactivity

Hazardous reactions Risk of bursting. Development of ignitable mixtures possible in the air in case of heating above flashing point and/or when sprayed or atomized.

Hazardous decomposition products Inflammable gases/vapours.

11 Toxicological information

Acute oral toxicity

OECD 401 LD50 rat: LD50

Acute dermal toxicity

OECD 402 Mouse : LD50

Acute inhalational toxicity

OECD 403 Rabbit :

Irritant effect on eye

OECD 404 LC50 rat :

Sensitization/evaluation

OECD 406 Not determined.

Subacute toxicity Not determined.

Chronic toxicity Not determined.

Mutagenicity/evaluation Not determined.

Reproduction toxicity /

Evaluation Not determined.

Carcinogenicity/evaluation Not determined.

Experiences made in practice None.

General remarks No toxicological data available. The classification was performed on the basis of the calculation procedure of the preparation directive.

12 Ecological information

Fish toxicity Not determined.

Behaviour in environmental compartments Not determined.

Behaviour in sewage plants Not determined.

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Bacteria toxicity	Not determined.
Biological degradability	Not determined.
Chemical oxygen demand (COD)	-
Biological oxygen demand (BOD5)	-
AOX advice	
Recipe contains 76/464/EEC ingredients	Does not contain any dangerous ingredients.
General information	No ecological data available on the overall product.

13 Disposal considerations

Disposal / product	Dispose of as hazardous waste. Contact manufacturer concerning recycling.
Waste code number (recommended)	160504
Disposal / contaminated packaging	Non-contaminated packaging can be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.

14 Transport information

Classification according to

ADR:	2
ADR class:	UN 1950 compressed-gas containers 2.1 UN 1950 aerosols
Declaration:	3
Labelling:	
Factor, ADR 1.1.3.6:	
Hazard no.:	2.1
Warning board:	LQ2
LQ, ADR 3.4.6:	
Vapour pressure [kPa]:	

Classification according to

IMDG:	2.1
IMDG code class:	UN 1950, aerosols, 2.1 Aerosols, UN 1950, class: 2.1
Declaration:	
Labelling:	F-D, S-U
EmS:	2.1
Warning board:	1
LQ, [1/kg]:	

Classification according to

IATA:	
IATA DGR class:	2.1
Declaration:	Aerosols, flammable, class: 2.1 UN 1950
Labelling:	Aerosols, flammable UN 1950
Warning board:	Flammable gas

15 Regulatory information

Labelling	The product is classified and labelled according to EC directives.
Hazard symbols	

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Extremely flammable

R 12: Extremely flammable.
S 23.4: Do not inhale aerosol.
S 51: Only use in well aired areas.
S 56: Dispose of this product and its container to a special waste collection point.

Special labelling for certain preparations

Container is under pressure. Protect against solar irradiation and temperatures above 50 °C. Even after use do not open by force or incinerate. Do not spray against flame or onto a glowing object. Keep away from ignition sources – do not smoke. Keep out of reach of children.

National regulations

Occupational restriction:	Observe workplace exposure limits.
Water hazard class	1 as per water hazard class/VwVwS of 17.05.1999
Incident ordinance, observe limit values	Yes.
Classification as per TA-Luft (air purity)	5.2.5
Customs tariff	
Product code:	
BfR (Federal Institute for Risk Assessment) no.:	
Other regulations	Observe TRG300 storage regulations for compressed-gas packagings (aerosols).
VCI storage class	LGK 2B

16 Other information

R-phrases (data on ingredients – 02)

R 11: highly flammable.
R 12: extremely flammable.
R 34: causes burns.
R 36: irritating to eyes.
R 50: very toxic to aquatic organisms.
R 67: vapours may cause drowsiness and dizziness.

89/542/EEC, contains:

< 5% anionic tensides

Regulations

91/1 55/EEC (2001 /58/EC), 677548/EEC (2001 /59/EC), 1 999/45/EC (2001 /60/EC), 91 /689/EEC (2001/1 18/EC), Ordinance on Hazardous Substances – GefStoffV of 18.05.2000, 89/542/EEC, 89/686/EEC, Federal Washing and Cleaning Agent Act – WRMG, Federal Water Act – WHG, TRG 300, TRGS 220, ADR (2003), IMDG Code (31st Amendment), IATA-DGR (2003)

Modified positions:

Not relevant

