

1 Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Rigips Korrosionsschutzspray

Relevant identified uses of the mixture and uses advised
Technical Aerosols

Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Saint-Gobain Rigips GmbH
Schanzenstraße 84
D-40549 Düsseldorf
Germany

National contact:

Saint-Gobain Rigips GmbH - Ladenburg Development Center – Gypsum Development
Dr.-Albert-Reimann-Straße 20
D – 68526 Ladenburg
+49(0)621-4701691
Email forschung-entwicklung@rigips.de

Emergency telephone number:

Tel +49 (0)621 4701691 (only at daily working-times)

European Emergency Number: 112

2 Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to regulation (EC) Nr. 1272/2008

Hazard classes and Hazard Categories	Hazard statement
Aerosol 1 Aquatic Chronic 3	H222, H229 H412.

Hazard statements:

H222 Extremely flammable aerosol
H229 Pressurised container: May burst if heated
H412 Harmful to aquatic life with long lasting effects

2.2 Label elements**2.2.1 Labelling according to Regulation (EC) 1272/2008 (CLP)**

GHS02

Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol

H229 Pressurised container: May burst if heated

H412 Harmful to aquatic life with long lasting effects

Precautionary statements:

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

P251-Do not pierce or burn, even after use

P273-Avoid release to the environment

P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P501-Dispose of contents and container in accordance with legal regulations

2.3 Other hazards

Product has an anesthetic effect

Information pertaining to special dangers for human and environment

In extensive use, formation of flammable/explosive vapour-air mixture is possible.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REAC, annex XIII

3 Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Description: mixture

CAS-Nr.	EG-Nr.	Name	[% weight]	Classification according to Regulations (EC) No. 1272/2008 [CLP/GHS]
96-29-7	202-496-6	2-butanone oxime	0,1 – 0,99	Carc. 2, H351 / Acute Tox. 4, H312 / Eye Dam. 1, H318 / Skin Sens. 1, H317
106-97-8	203-448-7	butane	10 < 20	Flam. Gas 1, H220/Press.Gas
123-86-4	204-658-1	n-butyl acetate	< 10	Flam. Liq. 3, H226/STOT SE 3, H336
1330-20-7	215-535-7	xylene	5 < 10	Flam. Liq. 3, H226/Acute Tox. 4, H332/Acute Tox. 4, H312/Skin Irrit. 2, H315
1314-13-2	215-222-5	zinc oxide	0,25 – 2,49	Aquatic Acute 1, H400/Aquatic Chronic 1; H410
64742-82-1	265-185-4	Naphtha (petroleum), hydrotreated heavy [NOTA P]	2,5 < 10	Asp. Tox 1; H304/STOT SE 3, H336/ Flam. Liq. 3, H226/Aquatic Chronic 2, H411/ ,EUH066
64742-95-6	265-199-0	Solvent naphtha (petroleum), light arom. [NOTA P]	2,5 < 10	Flam. Liq. 3, H226/Asp. Tox 1; H304/STOT SE 3, H335/Aquatic Chronic 2, H411/STOT SE 3, H336/ ,EUH066
74-98-6	200-827-9	propane	10 < 20	Flam. Gas 1, H220/Press. Gas
61790-69-0	263-160-2	Fettsäuren, Talloel-, Reaktionsprodukte mit Diethylentriamin	< 0,25	Acute Tox. 4, H301/Skin Corr., Skin Irr., H314/STOT RE 2; H373/Aquatic Acute 1, H400/Aquatic Chronic 1; H410
7429-90-5	231-072-3	Aluminium	< 10	Flam. Sol. 1, H228

REACH

CAS-Nr.	Name	REACH registration number
7429-90-5	Aluminium	01-2119529243-45

4 First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

After inhalation:

Remove the casualty into fresh air and keep him immobile

In the event of symptoms refer for medical treatment

After skin contact:

Wash off with water and soap

Consult a doctor if skin irritation persists.

After eye contact:

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After swallowing:

Do not induce vomiting

If swallowed seek medical advice immediately and show the doctor packing or label

4.2 Most important symptoms and effects, both acute and delayed

Physician's information/ possible symptoms

Unconsciousness, Respiratory complaints, Headache, Confusion, Dizziness

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Alcohol-resistant foam
Carbon dioxide
sand

Unsuitable extinguishing media:

Water
Water with full jet

5.2 Special hazards arising from the substance or mixture:

Danger of bursting
In case of fire formation of dangerous gases possible

5.3 Advice for firefighters:

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Vapours are heavier than air and will spread on the ground.
Cool endangered containers with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation
Use personal protective clothing
Keep away from ignition sources

6.2 Environmental precautions:

Inform pollution control authorities if product gets into the sewerage systems or open waters
Do not discharge into the drains or bodies of water
Do not discharge into the drains/surface waters/groundwater

6.3 Methods and material for containment and cleaning up:

Take up with absorbent material
After taking up the material dispose according to regulation

6.4 Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

7 Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Ventilate closed rooms at ground level
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace

General protective measures

Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols

Hygiene measures

At work do not eat, drink, smoke or take drugs
Wash hands before breaks and after work

Advice on protection against fire and explosion

Keep away from sources of ignition – No smoking
Do not spray on a naked flame or any incandescent material
Pressurized container
Do not pierce or burn even after use
Vapours can form an explosive mixture with air
Take precautionary measures against static discharges
Avoid effect of heat

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels.

Keep in closed original container
Adhere to administrative regulations relating to storage of compressed gas cylinders/containers.

Further information about storage conditions

Protect from heat and direct solar radiation
Storage temperature may not exceed 50 °C (=122 °F)
Store container at cool and aired place
Keep in a cool place, heat causes increase in pressure and risk of bursting

Storage group: 2B

7.3 Specific end use(s)

No further relevant information available

8 Exposure controls/personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m ³]	[ppm]	Remark
7429-90-5	Aluminium metal: inhalable dust	8 hours	10		EH40/2005
7429-90-5	Aluminium metal: respirable dust	8 hours	4		EH40/2005
106-97-8	Butane	8 hours	1450	600	EH40/2005
		Short-term	1810	750	
1330-20-7	Xylene, o-, m-, p- or mixed isomers	8 hours	220	50	EH40/2005
		Short-term	441	100	

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

CAS-No.	Name	Code	[mg/m ³]	[ppm]	Remark
1330-20-7	Xylene, mixed isomeres, pure	8 hours	221	50	Skin
		Short term	442	100	

Biological limits (TRGS 903)

CAS-No.	Name	Parameter	BGW	Examination material	Test date
1330-20-7	Xylol (alle Isomeren)	Xylol	1,5 mg/l	B	b

8.2 Exposure controls

Respiratory protection:

If ventilation insufficient, wear respiratory protection

Protection of hands:

Gloves (solvent-resistant)

Glove material specification: Butyl rubber

In the case of special applications, it is recommended to check the chemical resistance with the manufacture of the gloves.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks

Eye protection: tightly fitting goggles

Other protection clothing: protective work

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	aerosol
Colour:	silver-grey
Odour:	characteristic
Odour treshold:	No information available
pH-value:	Not determined
Boiling point:	Not applicable
Melting point/Freezing point:	No information available
Flash point:	Not applicable (remark: aerosol)
Vapourisation rate	No information available
Flammability (solid):	Not determined
Flammability (gas):	No information available
Ignition temperature:	Not determined
Self ignition temperature:	The product is not self-igniting
Lower explosion limit:	No information available
Upper explosion limit:	No information available
Vapour pressure:	Not determined 20 °C
Relative density:	Not determined
Vapour density:	No information available
Solubility in water:	Not determined
Solubility/other:	No information available
Partition coefficient n-octanol/water	
Log Pow:	No information available
Decomposition temperature:	Not determined
Viscosity:	No information available
Oxidising properties:	No information available
Explosive properties:	The product is considered non-explosive; nevertheless explosive vapour/air mixtures can be generated

9.2 Other information

Vapours are heavier than air

10 Stability and Reactivity

10.1 Reactivity:

No information available

10.2 Chemical stability

No information available

10.3 Possibility of hazardous reactions:

No information available

10.4 Conditions to avoid:

Keep away from heat

Formation of explosive gas/air mixtures

10.5 Incompatible materials:

No information available

10.6 Hazardous decomposition products:

Thermal decomposition

Remark: No decomposition if used as directed

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validaton	Species	Method	Remark
LD50 acute dermal	1100 mg/kg		Calculation value of acute toxicity	Xylene
LC 50 acute linhalation	> 5 mg/l (4 h)	Rat		Aluminium
Irritability skin	Irritant			
Irritability eye	Irritant			
Skin sensitization	sensitizing			

Experiences made from practice

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation. Vapours may cause dizziness, headaches and tiredness. Irritates respiratory tract. Irritates eyes and skin.

Additional information

The product is to be handled with the caution usual with chemicals

Other hazardous properties may not be excluded.

12 Ecological information

12.1 Toxicity

No information available

12.2 Persistence and degradability:

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII

12.6 Other adverse effects:

General regulations

Harmful to aquatic life with long lasting effects

Do not allow uncontrolled leakage of product into the environment

Product is not allowed to be discharged into aquatic environment

13 Disposal considerations

13.1 Waste treatment methods

Waste code no:	Name of waste
16 05 04*	gases in pressure containers (including halons) containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste

Recommendation of the product

Remove in accordance with local official regulations

Recommendation for packaging

Dispose of according to the local waste regulations

General information

For proper waste disposal a complete emptying of the tin is necessary

14 Transport Information

	ADR/RID	IMDG	IATA-DGR
14.1 UN-number	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3 Transport hazard class(es)			
14.4 Packing group	2.1	2.1	2.1
14.5 Environmental hazards	-	-	-
	No	No	No

14.6 Special precautions for user

Caution: Gases

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

not applicable

H400-Very toxic to aquatic life

H410-Very toxic to aquatic life with long lasting effects

H411-Toxic to aquatic life with long lasting effects

Department issuing MSDS:

Saint-Gobain Rigips GmbH, Department: Ladenburg Development Center – Gypsum Development (LDC-GD); 68526 Ladenburg

Point of contact:

See point 1

Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

EILINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative