

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2015/830

SÜDDEUTSCHE
RADORA
ERZEUGNISSE

RADORA-BRILLANT WINDOW SHINE

Material number R002

Revision date: 11/7/2016

Version: 3

Language: en-GB,IE

Date of print: 16/3/2017

Page: 1 of 9

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

1.1 Product identifier

Trade name: RADORA-BRILLANT WINDOW SHINE

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

General use: Windows cleanser

1.3 Details of the supplier of the safety data sheet

Company name: Süddeutsche RADORA Erzeugnisse
Chemische Fabrik · Klaus Messmer

Street/POB-No.: Kindlebildstraße 52

Postal Code, city: 78467 Konstanz

Germany

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Herr Klaus Messmer

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1.4 Emergency telephone number

Herr Klaus Messmer Telephone: + 49 (0)7531-7 71 36

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: P102 Keep out of reach of children.

Special labelling

EUH210 Safety data sheet available on request.

Contains 15-30% aliphatic hydrocarbons, <5% cationic surfactants, nonionic surfactant.

Contains Perfumes, Benzylhemiformal/Formaldehyde.

2.3 Other hazards

May cause allergic reactions in already sensitized persons.

Repeated exposure may cause skin dryness or cracking.

Frequent or prolonged skin contact may cause irritation and inflammation.

The cryptocrystalline portion of silicic acid may cause generate fine dust during the application after evaporation of the water-solvent mixture. Danger of silicosis by prolonged exposure through inhalation.

Results of PBT and vPvB assessment:

No data available

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Language: en-GB,IE

Date of print: 16/3/2017
Page: 2 of 9

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119457273-39-xxxx EC No. 918-481-9 CAS 64742-48-9	Naphtha (petroleum), hydrotreated heavy	< 20 %	Asp. Tox. 1; H304. (EUH066).
EC No. 238-588-8 CAS 14548-60-8	Benzylhemiformal	< 0.3 %	Acute Tox. 4; H302. Acute Tox. 4; H312. Skin Irrit. 2; H315. Eye Dam. 1; H318. STOT SE 3; H335.
REACH 01-2119529223-47-xxxx EC No. 227-813-5 CAS 5989-27-5	(R)-p-Mentha- 1,8-diene	< 0.1 %	Flam. Liq. 3; H226. Skin Irrit. 2; H315. Skin Sens. 1; H317. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.
REACH 01-2119488953-20-xxxx EC No. 200-001-8 CAS 50-00-0	Formaldehyde	< 0.0002 %	Acute Tox. 3; H301. Acute Tox. 3; H311. Acute Tox. 3; H331. Skin Corr. 1B; H314. Eye Dam. 1; H318. Skin Sens. 1; H317. Muta. 2; H341. Carc. 1B; H350.

Full text of H- and EUH-statements: see section 16.

Additional information: Labelling for contents according to regulation (EC) No 648/2004, annex 7:
Contains < 5% cationic surfactants, nonionic surfactant and perfumes.
Contains Crypto-crystalline silica.
Crypto-crystalline silica (respirable dust) is embedded in the product and not available as respirable dusts.
The cryptocrystalline portion of silicic acid may cause generate fine dust during the application after evaporation of the water-solvent mixture. Danger of silicosis by prolonged exposure through inhalation.
Exposure limit values The maximum workplace exposure limits are, where necessary, listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off contaminated clothing and wash it before reuse.

In case of inhalation: Provide fresh air. If the casualty has difficulty breathing, call a doctor immediately.

Following skin contact: After contact with skin, wash immediately with plenty of water. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.

SAFETY DATA SHEET

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SÜDDEUTSCHE
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RADORA-BRILLANT WINDOW SHINE

Material number R002

Revision date: 11/7/2016

Version: 3

Language: en-GB,IE

Date of print: 16/3/2017

Page: 3 of 9

After swallowing: Rinse mouth. Do not induce vomiting.
Risk of foam aspiration when vomitting. Riks of suffocation!
Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic reactions in already sensitized persons.
Repeated exposure may cause skin dryness or cracking.
Frequent or prolonged skin contact may cause irritation and inflammation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

water fog, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power 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:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Hazchem-Code: -

Use fine water spray to cool endangered containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Keep unprotected people away.
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid contact with the substance. Wear appropriate protective equipment.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.
If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SAFETY DATA SHEET

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SÜDDEUTSCHE
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RADORA-BRILLANT WINDOW SHINE

Material number R002

Revision date: 11/7/2016

Version: 3

Language: en-GB,IE

Date of print: 16/3/2017

Page: 4 of 9

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid contact with skin and eyes.

Do not breathe dust/fume/gas/mist/vapours/spray.

The cryptocrystalline

portion of silicic acid may cause generate fine dust during the application after evaporation of the water-solvent mixture. Danger of silicosis by prolonged exposure through inhalation.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep out of the reach of children.

Provide for a solvent-resistant and seal-tight floor.

Keep container tightly closed and dry.

Keep in a cool, well-ventilated place.

Hints on joint storage:

Do not store together with: strong oxidizing agents.

Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64742-48-9	Naphtha (petroleum), hydrotreated heavy	Great Britain: WEL-TWA	1200 mg/m ³ (> or = C7, Normal and branched chain alkanes)
		Great Britain: WEL-TWA	800 mg/m ³ (> or = C7, Cycloalkanes)
50-00-0	Formaldehyde	Great Britain: WEL-STEL	2.5 mg/m ³ ; 2 ppm
		Great Britain: WEL-TWA	2.5 mg/m ³ ; 2 ppm
		Ireland: 15 minutes	0 mg/m ³ ; 0.4 ppm
		Ireland: 8 hours	0.2 ppm

8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed.

Personal protection equipment

Occupational exposure controls

Respiratory protection: If vapours form, use respiratory protection.

Use filter type A according to EN 14387.

In case of dust formation: Half mask with particle filter FFP2 according to EN 143.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2015/830

SÜDDEUTSCHE
RADORA
ERZEUGNISSE

RADORA-BRILLANT WINDOW SHINE

Material number R002

Revision date: 11/7/2016

Version: 3

Language: en-GB,IE

Date of print: 16/3/2017

Page: 5 of 9

Hand protection: Protective gloves according to EN 374.
Long-term:
Glove material: PVC-Layer thickness: 0,7 mm
Breakthrough time: > 480 min.
Short-term:
Glove material: PVC-Layer thickness: 0,4 mm
Breakthrough time: > 30 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
When using do not eat, drink or smoke.
Avoid contact with skin and eyes.
Remove contaminated clothing.
Wash hands before breaks and after work.
Eye wash facility must be provided.
Do not breathe dust/fume/gas/mist/vapours/spray.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Form: liquid
Colour: pink - beige

Odour: pleasant odour

Odour threshold: No data available

pH value: 6.58

Melting point/freezing point: ≤ -20 °C

Initial boiling point and boiling range: 180 - 270 °C (Naphtha (petroleum), hydrotreated heavy)

Flash point/flash point range: 82 °C

Evaporation rate: No data available

Flammability: > 200 °C

Explosion limits: LEL (Lower Explosion Limit):
0.60 Vol-% (Naphtha (petroleum), hydrotreated heavy)
UEL (Upper Explosive Limit):
7.00 Vol-% (Naphtha (petroleum), hydrotreated heavy)

Vapour pressure: at 20 °C: Naphtha (petroleum), hydrotreated heavy: 0.4 hPa

Vapour density: No data available

Density: at 40 °C: 1.018 g/mL

Water solubility: emulsifiable

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, kinematic: at 40 °C: ≥ 25 mm²/s

Explosive properties: No data available

Oxidizing characteristics: No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2015/830

SÜDDEUTSCHE
RADORA
ERZEUGNISSE

RADORA-BRILLANT WINDOW SHINE

Material number R002

Revision date: 11/7/2016

Version: 3

Language: en-GB,IE

Date of print: 16/3/2017

Page: 6 of 9

9.2 Other information

Solvent content: 15 - 16 %
Additional information: Relative vapour density (air=1): >1 (Naphtha (petroleum), hydrotreated heavy)

SECTION 10: Stability and reactivity

10.1 Reactivity

refer to 10.3

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions with proper and specified storage and handling

10.4 Conditions to avoid

Protect from excessive heat.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

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

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data. mild irritant

Eye damage/irritation: Lack of data. mild irritant

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2015/830

SÜDDEUTSCHE
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RADORA-BRILLANT WINDOW SHINE

Material number R002

Revision date: 11/7/2016
Version: 3

Language: en-GB,IE

Date of print: 16/3/2017
Page: 7 of 9

Other information: The cryptocrystalline portion of silicic acid may cause generate fine dust during the application after evaporation of the water-solvent mixture. Danger of silicosis by prolonged exposure through inhalation.

Symptoms

May cause allergic reactions in already sensitized persons.
Repeated exposure may cause skin dryness or cracking.
Frequent or prolonged skin contact may cause irritation and inflammation.
In case of ingestion: Danger of foam aspiration. Rihs of suffocation!

SECTION 12: Ecological information

12.1 Toxicity

Further details: The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.2. Persistence and degradability

Further details: Biodegradability: 79,3 %/24 d.
Product is readily biodegradable.

Oxygen demand: BSB5: 63,5 mg/g
CSB: 584,5 mg/g

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
No indication of bioaccumulation potential.
No data available

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: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 20 01 30 = detergents other than those mentioned in 20 01 29
Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Waste key number: 15 01 02 = Plastic packaging

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2015/830

SÜDDEUTSCHE
RADORA
ERZEUGNISSE

RADORA-BRILLANT WINDOW SHINE

Material number R002

Revision date: 11/7/2016

Version: 3

Language: en-GB,IE

Date of print: 16/3/2017

Page: 8 of 9

Recommendation: Remove residual product with water and detergent.
Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

14.5 Environmental hazards

Marine pollutant:

no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Transport in bulk according to Annex II of Marpol 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 - Great Britain

Hazchem-Code:

-

No data available

National regulations - EC member states

Volatile organic compounds (VOC):

15.5 % by weight = 155 g/L

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SAFETY DATA SHEET

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Material number R002

Revision date: 11/7/2016

Version: 3

Language: en-GB,IE

Date of print: 16/3/2017

Page: 9 of 9

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

H226 = Flammable liquid and vapour.
H301 = Toxic if swallowed.
H302 = Harmful if swallowed.
H304 = May be fatal if swallowed and enters airways.
H311 = Toxic in contact with skin.
H312 = Harmful in contact with skin.
H314 = Causes severe skin burns and eye damage.
H315 = Causes skin irritation.
H317 = May cause an allergic skin reaction.
H318 = Causes serious eye damage.
H331 = Toxic if inhaled.
H335 = May cause respiratory irritation.
H341 = Suspected of causing genetic defects.
H350 = May cause cancer.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
EUH066 = Repeated exposure may cause skin dryness or cracking.
EUH210 = Safety data sheet available on request.

Reason of change: Changes in section 2: Labelling
Changes in section 3: Information on ingredients
General revision

Date of first version: 23/10/2013

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

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

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.

