

SAFETY DATA SHEET

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

RADORA-BRILLANT WINDOW SHINE

Material number R002

SÜDDEUTSCHE
RADORA
ERZEUGNISSE

Revision date: 8/12/2020
Version: 6.0

Language: en-GB,IE

Date of print: 28/2/2021
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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
WWW: www.radora.de
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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.
Text for labelling: Contains: 15-30% aliphatic hydrocarbons; <5% cationic surfactants, non-ionic surfactants; benzylhemiformal/formaldehyde; perfumes (D-Limonene).

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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.
Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Aqueous emulsion

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119457273-39-xxxx list no. 918-481-9 CAS 64742-48-9	Naphtha (petroleum), hydrotreated heavy	< 20 %	Asp. Tox. 1; H304. (EUH066).

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

Customs tariff number: 3402 20 90

Additional information: Labelling for contents according to regulation (EC) No 648/2004, annex VII:
Contains 15-30% aliphatic hydrocarbons; <5% cationic surfactants, non-ionic surfactants.
Contains preservatives (benzylhemiformal/formaldehyde); perfumes (D-Limonene).
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.

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.

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After swallowing: Rinse mouth. Do not induce vomiting.
Risk of foam aspiration when vomiting. Risk 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 spray jet, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full 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.

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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)

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.

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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.
Take off contaminated clothing and wash it before reuse.
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.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: liquid
Form: viscous
Colour: pink - beige

Odour: pleasant odour

Odour threshold: No data available

pH: 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

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Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, kinematic: at 40 °C: $\geq 25 \text{ mm}^2/\text{s}$
Explosive properties: No data available
Oxidizing characteristics: No data available

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

Thermal decomposition: No data available

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: 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
Serious 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.

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. Risk of suffocation!

SECTION 12: Ecological information

12.1 Toxicity

Further details: No data available

12.2 Persistence and degradability

Further details: Biodegradability: 79.3 %/24 d.
Product is readily biodegradable.

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.

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

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12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient: n-octanol/water:

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

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

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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.

SECTION 16: Other information

Further information

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

H227 = Combustible liquid.
H304 = May be fatal if swallowed and enters airways.
H316 = Causes mild skin irritation.
EUH066 = Repeated exposure may cause skin dryness or cracking.
EUH210 = Safety data sheet available on request.

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Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EU: European Union
IATA: International Air Transport Association
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
PVC: Polyvinyl chloride
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
UN: United Nations
vPvB: Very persistent and very bioaccumulative

Reason of change: General revision
Changes in section 14: ADN
Date of first version: 23/10/2013

Department issuing data sheet

Contact person: see section 1: Department responsible for 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.

