

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Date of compilation: 2018-12-19

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

1.1 Product identifier

Trade name **FARBEINDRINGMITTEL ROT - 500 ml**
Article number 4000 354550

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

Relevant identified uses general use
Uses advised against do not use for products which come into contact with the food stuffs

1.3 Details of the supplier of the safety data sheet

Nordwest Handel AG
Robert-Schuman-Str. 17
44263 Dortmund
Germany

Telephone: +49 (0)231 2222-3001
Telefax: +49 (0)231 2222-3099
Website: www.nordwest.com
e-Mail (competent person):

sdb@nordwest.com

1.4 Emergency telephone number

Austria: Vergiftungsinformationszentrale der Gesundheit +43 1 406 43 43
Germany: Beratungsstelle bei Vergiftungen Giftinformation- +49(0)6131 / 19240
zentrale der Länder Rheinland-Pfalz und Hessen
Switzerland: Tox Info Suisse 145, 24h oder +41 44 251 51 51

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|---|----------|---------------------------|------------------|
| 2.3 | aerosols | Cat. 1 | (Aerosol 1) | H222, H229 |
| 3.2 | skin corrosion/irritation | Cat. 2 | (Skin Irrit. 2) | H315 |
| 3.3 | serious eye damage/eye irritation | Cat. 2 | (Eye Irrit. 2) | H319 |
| 4.1C | hazardous to the aquatic environment - chronic hazard | Cat. 3 | (Aquatic Chronic 3) | H412 |

Remarks

For full text of H-phrases: see SECTION 16.

Supplemental hazard information

EUH208 Contains N-(2-ethylhexyl)-1-[[3-methyl-4-[[3-methylphenyl]azo]phenyl]azo]naphthalen-2-amine. May produce an allergic reaction.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word

Danger

Pictograms

GHS02, GHS07



H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
P101 If medical advice is needed, have product container or label at hand.
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.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional labelling requirements

EUH208 Contains N-(2-ethylhexyl)-1-[[3-methyl-4-[(3-methylphenyl)azo]phenyl]azo]naphthalen-2-amine. May produce an allergic reaction.













2.3 Other hazards

There is no additional information.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description of the mixture

| Hazardous ingredients acc. to EU regulation | | | | |
|--|--|-----------|--|--|
| Name of substance | Identifier | Wt% | Classification acc. to 1272/2008/EC | Pictograms |
| butane | CAS No 106-97-8 EC No 203-448-7 REACH Reg. No 01-2119474691-32 | 25 – < 50 | Flam. Gas 1 / H220 Press. Gas L / H280 |   |
| Propan | CAS No 74-98-6 EC No 200-827-9 REACH Reg. No 01-2119486944-21 | 10 – < 25 | Flam. Gas 1 / H220 Press. Gas L / H280 |   |
| 2-(2-Butoxyethoxy)ethanol | CAS No 112-34-5 EC No 203-961-6 REACH Reg. No 01-2119475104-44-xxxx | 10 – < 25 | Eye Irrit. 2 / H319 |  |
| Distillates (petroleum), hydro-treated light | CAS No 64742-47-8 EC No 265-149-8 REACH Reg. No 01-2119456620-43 | 5 – < 10 | Flam. Liq. 3 / H226 Acute Tox. 3 / H331 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411 |     |
| Solvent naphtha (petroleum), heavy arom. | CAS No 64742-94-5 EC No 265-198-5 REACH Reg. No 01-2119510128-50-xxxx | 1 – < 5 | Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411 |    |

For full text of abbreviations: see SECTION 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water. Take off contaminated clothing.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, BC-powder

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Advices on how to clean up a spill

Collect spillage (universal binder).

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

• Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

• Flammability hazards

Do not spray on an open flame or other ignition source. Protect from sunlight.

Incompatible substances or mixtures

Observe hints for combined storage.

• Control of effects

• Protect against external exposure, such as

frost

Consideration of other advice

Observe instructions for use. Keep out of reach of children.

• Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Notation | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Ceiling-C [ppm] | Ceiling-C [mg/m ³] | Source |
|---------|--|------------|------------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|--------------|
| DE | butane | 106-97-8 | | AGW | 1,000 | 2,400 | 4,000 | 9,600 | | | TRGS 900 |
| DE | 2-(2-butoxyethoxy)ethanol | 112-34-5 | va | AGW | 10 | 67 | 15 | 100.5 | | | TRGS 900 |
| DE | Distillates (petroleum), hydro-treated light | 64742-47-8 | r, aerosol | MAK | | 5 | | 20 | | | DFG |
| DE | Distillates (petroleum), hydro-treated light | 64742-47-8 | vap | MAK | 50 | 350 | 100 | 700 | | | DFG |
| DE | propane | 74-98-6 | | AGW | 1,000 | 1,800 | 4,000 | 7,200 | | | TRGS 900 |
| EU | 2-(2-butoxyethoxy)ethanol | 112-34-5 | | IOEL V | 10 | 67.5 | 15 | 101.2 | | | 2017/2398/EU |

Notation

aerosol As aerosols

Ceiling-C Ceiling value is a limit value above which exposure should not occur

r Respirable fraction

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

va As vapours and aerosols

vap As vapours

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Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture

| Name of sub-stance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---------------------------|----------|-----------|-------------------------|------------------------------------|-------------------|----------------------------|
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | DNEL | 101.2 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | DNEL | 67.5 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | DNEL | 83 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | DNEL | 67.5 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |

• relevant PNECs of components of the mixture

| Name of sub-stance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---------------------------|----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 1.1 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 0.11 mg/l | aquatic organisms | marine water | short-term (single instance) |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 200 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 4.4 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 0.44 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 56 mg/kg | aquatic organisms | water | short-term (single instance) |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 0.32 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | PNEC | 11 mg/l | aquatic organisms | water | intermittent release |

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)



Eye/face protection

Use protective eyewear to guard against splash of liquids.

Skin protection

• hand protection

Wear protective gloves. (Splash protection)

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- **type of material**

NR: natural rubber, latex, FKM: fluoro-elastomer

- **breakthrough times of the glove material**

>480 minutes (permeation: level 6)

- **other protection measures**

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection

Full face mask/half mask/quarter mask (EN 136/140)

Type: AX-P2 (gas filters and combined filters against low-boiling point organic compounds and particles, colour code: Brown/White)

Environmental exposure controls

Use appropriate container to avoid environmental contamination.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

aerosol (spray aerosol)

Colour

various

Odour

characteristic

Other physical and chemical parameters

Melting point/freezing point

not applicable (aerosol)

Initial boiling point and boiling range

not applicable (aerosol)

Flash point

not applicable (aerosol)

Flammability (solid, gas)

flammable aerosol in accordance with GHS criteria

Explosive limits

- lower explosion limit (LEL)

5 vol%

- upper explosion limit (UEL)

15 vol%

Vapour pressure

4,200 hPa at 20 °C

Density

0.6873 – 0.6931 g/ml (calculated value)

Solubility(ies)

not determined

Partition coefficient

n-octanol/water (log KOW)

This information is not available.

Auto-ignition temperature

210 °C

Viscosity

not relevant (aerosol)

Explosive properties

none

Oxidising properties

none

9.2 Other information

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s): risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Do not spray on an open flame or other ignition source. - Keep away from heat.

Hints to prevent fire or explosion

Protect from sunlight.

Physical stresses which might result in a hazardous situation and have to be avoided

high temperatures

10.5 Incompatible materials

oxidisers

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10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---|------------|--------------------|--------------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | inhalation: vapour | 5.28 mg/l/4h |

| Name of substance | CAS No | Exposure route | Endpoint | Value | Species |
|--|------------|--------------------|----------|---------------|---------|
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | oral | LD50 | 2,410 mg/kg | mouse |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | dermal | LD50 | 2,764 mg/kg | rabbit |
| Distillates (petroleum), hydro-treated light | 64742-47-8 | oral | LD50 | >5,000 mg/kg | rat |
| Distillates (petroleum), hydro-treated light | 64742-47-8 | inhalation: vapour | LC50 | >5.28 mg/l/4h | rat |
| Distillates (petroleum), hydro-treated light | 64742-47-8 | dermal | LD50 | >2,000 mg/kg | rabbit |
| Solvent naphtha (petroleum), heavy arom. | 64742-94-5 | oral | LD50 | >5,000 mg/kg | rat |
| Solvent naphtha (petroleum), heavy arom. | 64742-94-5 | inhalation: vapour | LC50 | >5.28 mg/l/4h | rat |
| Solvent naphtha (petroleum), heavy arom. | 64742-94-5 | dermal | LD50 | >2,000 mg/kg | rabbit |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Contains N-(2-ethylhexyl)-1-[[[3-methyl-4-[(3-methylphenyl)azo]phenyl]azo]naphthalen-2-amine. May produce an allergic reaction.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

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SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Wassergefährdungsklasse, WGK (water hazard class) (WGK; Germany): 1 (slightly hazardous to water)

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|--|------------|----------|------------|-----------------------|---------------|
| butane | 106-97-8 | LC50 | 27.98 mg/l | fish | 96 h |
| butane | 106-97-8 | EC50 | 7.71 mg/l | algae | 96 h |
| propane | 74-98-6 | LC50 | 27.98 mg/l | fish | 96 h |
| propane | 74-98-6 | EC50 | 7.71 mg/l | algae | 96 h |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | LC50 | 1,300 mg/l | fish | 96 h |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | EC50 | >100 mg/l | aquatic invertebrates | 48 h |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | ErC50 | 1,101 mg/l | algae | 72 h |
| Distillates (petroleum), hydro-treated light | 64742-47-8 | LL50 | 5 mg/l | fish | 96 h |
| Distillates (petroleum), hydro-treated light | 64742-47-8 | EL50 | 1.4 mg/l | aquatic invertebrates | 48 h |
| Solvent naphtha (petroleum), heavy arom. | 64742-94-5 | LL50 | 5 mg/l | fish | 96 h |
| Solvent naphtha (petroleum), heavy arom. | 64742-94-5 | EL50 | 1.4 mg/l | aquatic invertebrates | 48 h |

Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|--|------------|----------|----------|-----------------------|---------------|
| Distillates (petroleum), hydro-treated light | 64742-47-8 | LL50 | 17 mg/l | fish | 24 h |
| Distillates (petroleum), hydro-treated light | 64742-47-8 | EL50 | 4.6 mg/l | aquatic invertebrates | 24 h |
| Solvent naphtha (petroleum), heavy arom. | 64742-94-5 | LL50 | 17 mg/l | fish | 24 h |
| Solvent naphtha (petroleum), heavy arom. | 64742-94-5 | EL50 | 4.6 mg/l | aquatic invertebrates | 24 h |

12.2 Persistence and degradability

Degradability of components of the mixture

| Name of substance | CAS No | Process | Degradation rate | Time |
|---------------------------|----------|------------------|------------------|------|
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | oxygen depletion | 85 % | 28 d |

12.3 Bioaccumulative potential

Data are not available.

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Bioaccumulative potential of components of the mixture

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|---------------------------|----------|-----|---------------------------|----------|
| butane | 106-97-8 | | 1.09 (pH value: 7, 20 °C) | |
| propane | 74-98-6 | | 1.09 (pH value: 7, 20 °C) | |
| 2-(2-butoxyethoxy)ethanol | 112-34-5 | | 1 (pH value: 7, 20 °C) | |

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

List of wastes

16 05 04x gases in pressure containers (including halons) containing dangerous substances

15 01 10x packaging containing residues of or contaminated by dangerous substances

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

| | | |
|------|--|--|
| 14.1 | UN number | 1950 |
| 14.2 | UN proper shipping name | AEROSOLS |
| 14.3 | Transport hazard class(es) | |
| | Class | 2 (gases) (aerosol) |
| | Subsidiary risk(s) | 2.1 (flammability) |
| 14.4 | Packing group | not assigned to a packing group |
| 14.5 | Environmental hazards | none (non-environmentally hazardous acc. to the dangerous goods regulations) |
| 14.6 | Special precautions for user | |
| | Provisions for dangerous goods (ADR) should be complied within the premises. | |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | |
| | The cargo is not intended to be carried in bulk. | |

Information for each of the UN Model Regulations

• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

| | |
|----------------------|----------|
| UN number | 1950 |
| Proper shipping name | AEROSOLS |
| Class | 2 |
| Classification code | 5F |
| Danger label(s) | 2.1 |



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| | |
|---|--------------------|
| Special provisions (SP) | 190, 327, 344, 625 |
| Excepted quantities (EQ) | E0 |
| Limited quantities (LQ) | 1 L |
| Transport category (TC) | 2 |
| Tunnel restriction code (TRC) | D |
| • International Maritime Dangerous Goods Code (IMDG) | |
| UN number | 1950 |
| Proper shipping name | AEROSOLS |
| Class | 2.1 |
| Danger label(s) | 2.1 |



| | |
|--|----------------------------------|
| Special provisions (SP) | 63, 190, 277, 327, 344, 381, 959 |
| Excepted quantities (EQ) | E0 |
| Limited quantities (LQ) | 1 L |
| EmS | F-D, S-U |
| Stowage category | - |
| • International Civil Aviation Organization (ICAO-IATA/DGR) | |
| UN number | 1950 |
| Proper shipping name | Aerosols, flammable |
| Class | 2.1 |
| Danger label(s) | 2.1 |



| | |
|--------------------------|------------------|
| Special provisions (SP) | A145, A167, A802 |
| Excepted quantities (EQ) | E0 |
| Limited quantities (LQ) | 30 kg |

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

• Directive 75/324/EEC relating to aerosol dispensers

Classification of the gas/aerosol

Extremely flammable

Labelling

Keep out of reach of children
Pressurized container: may burst if heated
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Do not pierce or burn, even after use
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Net contents by volume

500 ml

National regulations (Germany)

• Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) 1 (slightly hazardous to water)

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• Technical instructions on air quality control (Germany)

| Number | Group of substances | Class | Conc. | Mass flow | Mass concentration | Notation |
|--------|---------------------|---------|--------------|-----------|----------------------|----------|
| 5.2.5 | organic substances | class I | 5 – < 10 wt% | 0.1 kg/h | 20 mg/m ³ | 3) |
| 5.2.5 | organic substances | | ≥ 25 wt% | 0.5 kg/h | 50 mg/m ³ | 3) |

Notation

3) A total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

• Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK): 2 B (aerosol dispensers and lighters)

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

| | |
|------------------|--|
| 2017/2398/EU. | Directive of the European Parliament and of the Council amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work. |
| Acute Tox. | Acute toxicity. |
| ADN. | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways). |
| ADR. | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road). |
| AGW. | Workplace exposure limit. |
| Aquatic Chronic. | Hazardous to the aquatic environment - chronic hazard. |
| Asp. Tox. | Aspiration hazard. |
| ATE. | Acute Toxicity Estimate. |
| BCF. | Bioconcentration factor. |
| BOD. | Biochemical Oxygen Demand. |
| CAS. | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances). |
| Ceiling-C. | Ceiling value. |
| CLP. | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. |
| CMR. | Carcinogenic, Mutagenic or toxic for Reproduction. |
| COD. | Chemical oxygen demand. |
| DFG. | Deutsche Forschungsgemeinschaft MAK-und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim. |
| DGR. | Dangerous Goods Regulations (see IATA/DGR). |
| DMEL. | Derived Minimal Effect Level. |
| DNEL. | Derived No-Effect Level. |
| EC No. | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union). |
| EINECS. | European Inventory of Existing Commercial Chemical Substances. |
| ELINCS. | European List of Notified Chemical Substances. |
| EmS. | Emergency Schedule. |
| Eye Dam. | Seriously damaging to the eye. |
| Eye Irrit. | Irritant to the eye. |
| Flam. Gas. | Flammable gas. |
| Flam. Liq. | Flammable liquid. |
| GHS. | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations. |
| IATA. | International Air Transport Association. |
| IATA/DGR. | Dangerous Goods Regulations (DGR) for the air transport (IATA). |
| ICAO. | International Civil Aviation Organization. |
| IMDG. | International Maritime Dangerous Goods Code. |
| IOELV. | Indicative occupational exposure limit value. |
| LGK. | Lagerklasse (storage class according to TRGS 510, Germany). |
| Log KOW. | n-Octanol/water. |
| MARPOL. | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant"). |
| NLP. | No-Longer Polymer. |
| PBT. | Persistent, Bioaccumulative and Toxic. |
| PNEC. | Predicted No-Effect Concentration. |
| Ppm. | Parts per million. |
| Press. Gas. | Gas under pressure. |
| REACH. | Registration, Evaluation, Authorisation and Restriction of Chemicals. |
| RID. | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail). |
| Skin Corr. | Corrosive to skin. |
| Skin Irrit. | Irritant to skin. |
| STEL. | Short-term exposure limit. |
| STOT SE. | Specific target organ toxicity - single exposure. |
| TRGS. | Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany). |
| TRGS 900. | Arbeitsplatzgrenzwerte (TRGS 900). |
| TWA. | Time-weighted average. |
| VPvB. | Very Persistent and very Bioaccumulative. |

Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

4000 354550 - FARBEINDRINGMITTEL ROT - 500 ml



Date of compilation: 2018-12-19

List of relevant phrases (code and full text as stated in chapter 2 and 3)

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|-------|---|
| H220. | Extremely flammable gas. |
| H222. | Extremely flammable aerosol. |
| H226. | Flammable liquid and vapour. |
| H229. | Pressurized container: may burst if heated. |
| H280. | Contains gas under pressure; may explode if heated. |
| H304. | May be fatal if swallowed and enters airways. |
| H315. | Causes skin irritation. |
| H319. | Causes serious eye irritation. |
| H331. | Toxic if inhaled. |
| H336. | May cause drowsiness or dizziness. |
| H411. | Toxic to aquatic life with long lasting effects. |
| H412. | Harmful to aquatic life with long lasting effects. |

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.