



## Safety Data Sheet

### 9.BRFINE/8 - 9.BRFINE250/6

Safety Data Sheet dated 28/7/2017, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: 9.BRFINE/8 - 9.BRFINE250/6

Trade code: ROTARY FINE

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

Recommended use:

Abrasive and polishing compound

Uses advised against:

All not indicated in the suggested uses.

1.3. Details of the supplier of the safety data sheet

Company:

RUPES SPA - Via Marconi 3A, 20080, Vermezzo (MI) – Italy

RUPES SPA - Telefono n°+3902946941

Competent person responsible for the safety data sheet:

info\_rupes@rupes.it

1.4. Emergency telephone number

For United States, Canada Puerto Rico and Virgin Island: 1-800-255-3924

For China: 400-120-0751

For Brazil: 0-800-591-6042

For India: 000-800-100-4086

For Mexico: 01-800-099-0731

For Europe and all the other countries: 001-813-248-0585

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#### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

P102 Keep out of reach of children

Special Provisions:

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:



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Restricted to professional users.

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

N.A.

#### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 10% - < 15%	aliphatic hydrocarbons, C11-C13, isoalkanes (<0.1% Benzene)	EC: 920-901-0 REACH No.: 01-21194568 10-40	3.10/1 Asp. Tox. 1 H304 EUH066
>= 1% - < 5%	hydrocarbons, C14-C18, n-alkanes, isoalkanes, cycloalkanes, aromatic (2-30%)	EC: 920-360-0	3.10/1 Asp. Tox. 1 H304 EUH066
>= 1% - < 5%	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified	Index number: 649-468-00-3 CAS: 64742-55-8 EC: 265-158-7	Asp. Tox. 1 H304

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

#### 4.2. Most important symptoms and effects, both acute and delayed

None

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

None

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#### SECTION 5: Firefighting measures

- 5.1. Extinguishing media
  - Suitable extinguishing media:
    - Water.
    - Carbon dioxide (CO<sub>2</sub>).
  - Extinguishing media which must not be used for safety reasons:
    - None in particular.
- 5.2. Special hazards arising from the substance or mixture
  - Do not inhale explosion and combustion gases.
  - Burning produces heavy smoke.
- 5.3. Advice for firefighters
  - Use suitable breathing apparatus .
  - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
  - Move undamaged containers from immediate hazard area if it can be done safely.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove persons to safety.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
  - Wash with plenty of water.
- 6.4. Reference to other sections
  - See also section 8 and 13

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Do not eat or drink while working.
  - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from: direct sunlight, heat and ignition sources
  - Keep away from food, drink and feed.
  - Incompatible materials:
    - None in particular.



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Instructions as regards storage premises:

Adequately ventilated premises.

#### 7.3. Specific end use(s)

Abrasive and polishing compound

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No occupational exposure limit available

#### DNEL Exposure Limit Values

Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified - CAS: 64742-55-8  
Worker Professional: 5.4 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long  
Term, systemic effects

#### PNEC Exposure Limit Values

Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified - CAS: 64742-55-8  
Value: 9.33 mg/kg

#### 8.2. Exposure controls

##### Eye protection:

Not necessary for normal use

##### Protection for skin:

No special precaution must be adopted for normal use.

##### Protection for hands:

When handling with chemical substances, protective gloves must be worn with the CE-Label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances

##### Respiratory protection:

In case of inadequate ventilation wear respiratory protection

##### Thermal Hazards:

None

##### Environmental exposure controls:

None

##### Appropriate engineering controls:

None

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	yellow paste	--	--
Odour:	characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	7.8	--	--
Melting point / freezing point:	N.A.	--	--



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Initial boiling point and boiling range:	100 ° C	--	--
Flash point:	>61° ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	0.6%-7%	--	--
Vapour pressure:	0.4h Pa g/cm <sup>3</sup>	--	--
Vapour density:	N.A.	--	--
Relative density:	1.07 g/cm <sup>3</sup>	--	--
Solubility in water:	totally soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>200°	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	20000-25000 mPa s	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

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10.6. Hazardous decomposition products  
None.

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#### SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

aliphatic hydrocarbons, C11-C13, isoalkanes (<0.1% Benzene)

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg - Source: ECHA

Test: LD50 - Route: Skin - Species: Rat = 5000 mg/kg - Source: ECHA

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 2500 mg/l - Duration: 4h -  
Source: ECHA

hydrocarbons, C14-C18, n-alkanes, isoalkanes, cycloalkanes, aromatic (2-30%)

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4150 mg/kg - Source: ECHA

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg - Source: ECHA

Test: LC50 - Route: Inhalation - Species: Rat > 5.28 mg/l - Duration: 4h - Source:  
ECHA

Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified - CAS: 64742-55-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: ECHA

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg - Source: ECHA

Test: LC50 - Route: Inhalation Vapour 5.53 mg/l - Duration: 4h

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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#### SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

aliphatic hydrocarbons, C11-C13, isoalkanes (<0.1% Benzene)

a) Aquatic acute toxicity:



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- Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: ECHA  
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes: ECHA  
Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: ECHA  
Endpoint: NOEC - Species: Algae = 1000 mg/l - Duration h: 72  
hydrocarbons, C14-C18, n-alkanes, isoalkanes, cycloalkanes, aromatic (2-30%)  
a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: ECHA  
Endpoint: EC50 - Species: Algae = 1000 mg/l - Duration h: 72 - Notes: ECHA  
Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: ECHA  
Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified - CAS: 64742-55-8  
a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: ECHA  
Endpoint: EC50 - Species: Daphnia > 10000 mg/l - Duration h: 48 - Notes: ECHA  
Endpoint: NOEC - Species: Fish > 100 mg/l - Duration h: 96 - Notes: ECHA  
Endpoint: NOEC - Species: Algae > 100 mg/l - Duration h: 72 - Notes: ECHA  
Endpoint: NOEC - Species: Daphnia > 10 mg/l - Duration h: 504 - Notes: ECHA
- 12.2. Persistence and degradability  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

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#### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
Recover if possible. In so doing, comply with the local and national regulations currently in force.

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#### SECTION 14: Transport information

- 14.1. UN number  
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name  
N.A.
- 14.3. Transport hazard class(es)  
N.A.
- 14.4. Packing group  
N.A.
- 14.5. Environmental hazards  
N.A.
- 14.6. Special precautions for user  
N.A.



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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
N.A.

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#### SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

Restriction 28

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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#### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

H350 May cause cancer.

Hazard class and hazard category	Code	Description
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Carc. 1B	3.6/1B	Carcinogenicity, Category 1B



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This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.