

	SAFETY DATA SHEET According to UK REACH Regulation FLUX PASTA BROFIL 260	
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Trade name	: FLUX PASTA BROFIL 260
UFI	: 2S20-30DG-U001-03YN
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Identified uses	: Industrial use of processing aids. Fluxes. Paste.
Uses advised against	: Use of intermediate substances. It should not be used for purposes other than those described above.
1.3. Details of the supplier of the safety data sheet	
Supplier	: BROQUETAS, S.L.
Address	: c/ Can Sallarès 12-16 08740 Sant Andreu de la Barca, Barcelona (Spain)
Telephone number	: +34 936401900
Email address for a competent person responsible for the SDS	: broquetas@broquetas.com Supplier: Transfer Multisort Elektronik Ltd. Coleshill, Birmingham Coleshill House Suite 1C, 1 Station Road +44 1675790026 e-mail: office@tme-uk.eu
1.4. Emergency telephone number	
Availability	: +34 936401900 Monday to Friday from 8:00 to 14:00 h.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation	
Clases/categorías de peligro	Hazard statements (H)
Skin Irrit. 2 Eye Irrit. 2	H315: Causes skin irritation. H319: Causes serious eye irritation.

2.2. Label elements

GB CLP Labelling

GB CLP Regulation		
Signal word and pictograms	Hazard statements (H)	Precautionary statements (P)*
Warning  GHS07	H315: Causes skin irritation. H319: Causes serious eye irritation.	P202 P235 P260 P270 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P363 P411 P501

* Full text of precautionary statements (P):

P202: Do not handle until all safety precautions have been read and understood.
P235: Keep cool.
P260: Do not breathe dust/fume/gas/mist/vapours/ spray.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].



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P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363: Wash contaminated clothing before reuse.

P411: Store at temperatures not exceeding 25 °C/77 °F.

P501: Dispose of contents/container to Dispose of this material and its container to hazardous or special waste collection point. Consult the local waste disposal expert about waste disposal. Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

2.3. Other hazards

Compliance with PBT/vPvB criteria

: The product does not contain substances classified as PBT or vPvB.

Other hazards which do not result in classification

Single packagings <125 ml = Restricted to professional users.

The mixture does not contain substances included in the list established according to article 59(1) for their endocrine disrupting properties, or substances that have been identified as endocrine disrupting according to the criteria established in the Delegated Regulation (EU) 2017/2100 of the Commission or in Regulation (EU) 2018/605 of the Commission.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture related information

Paste

Data apply to the main component. resin. / Activator

Chemical name	Content (%)	CAS No	EC No	REACH No	Classification (GB CLP Regulation)*	Specific Conc. Limits and M-factors
Caprylic acid	2 - 10	124-07-2	204-677-5	-	Skin Corr. 1B H314	-
Dicarboxylic acid mixture	2 - 10	208-010-9	505-48-6	-	Eye Irrit. 2 H319	-

Further Information

Contains: resin. >> No risks worthy of mention.

Contains: Fat, Fatty acid. resin. >> No risks worthy of mention.

Dye carrier, Paint: yellow, yellow-orange >> No risks worthy of mention.

* Full text of hazard statements (H): see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

: Provide fresh air.

After contact with skin

: After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

: Rinse mouth immediately and drink plenty of water.

Recommendations for first aiders

: Wear suitable protective clothing.

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

: When in doubt or if symptoms are observed, get medical advice.

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

: Treat symptomatically. Symptoms are not known.

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SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable extinguishing media	: Coordinate fire-fighting measures to the fire surroundings.
Unsuitable extinguishing media	: D powder.
5.2. Special hazards arising from the substance or mixture	: Non-flammable.
5.3. Advice for firefighters	: Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.
Additional information	: Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	: Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.
For emergency responders	: Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.
6.2. Environmental precautions	: Do not allow to enter into surface water or drains.
6.3. Methods and material for containment and cleaning up	: Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.
6.4. Reference to other sections	: Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13 Treat the recovered material as prescribed in the section on waste disposal. See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	
Advice on safe handling	: Conditions to avoid: Inhalation of vapours or spray/mists.
Advice on protection against fire and explosion	: Not highly flammable.
Further information on handling	: Avoid contact with skin and eyes.
7.2. Conditions for safe storage, including any incompatibilities	
Requirements for storage rooms and vessels	: Keep container tightly closed.
Hints on joint storage	: To follow: Storage class.
Further information on storage conditions	: Protect against direct sunlight. Recommendation: Minimum storage temperature: 5°C (41°F) maximum storage temperature: 25°C (77°F).
7.3. Specific end use(s)	: Surface active agent. Further information: refer to Technical Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limit values

: No information available.

Additional advice on limit values

: Does not contain substances above concentration limits fixing an occupational exposure limit.

DNELs and PNECs

: No information available.

8.2. Exposure controls

Appropriate engineering controls

: Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

: Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Individual protection measures, such as personal protective equipment

Symbols

:



Eye/face protection

: Suitable eye protection: goggles.

Skin protection

: Wear suitable protective clothing.

Hand protection

: Additional protection measures for the hands:
Hand protection: EN ISO 374
-CR (polychloroprenes, Chloroprene rubber).
Thickness of glove material: 0,65mm
penetration time (maximum wearing period): >120min.
-NBR (Nitrile rubber):
Thickness of glove material: 0,4mm
penetration time (maximum wearing period): >480min.
Breakthrough times and swelling properties of the material must be taken into consideration.
Take recovery periods for skin regeneration.
In the case of wanting to use the gloves again, clean them before taking off and air them well.
Use gloves only once.
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
Before using check leak tightness / impermeability.

Others

: For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Respiratory protection

: In case of inadequate ventilation wear respiratory protection. [In case of inadequate ventilation] wear respiratory protection. Use appropriate respiratory protection. Use only respiratory protection equipment with CE-symbol including four digit test number. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!
Filtering device (full mask or mouthpiece) with filter: A.

Environmental exposure controls

: No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Paste
Colour	: Light yellow
Odour	: Characteristic
Melting point/freezing point	: >60 °C
Boiling point or initial boiling point and boiling range	: >300 °C
Flammability	: Not determined
Lower and upper explosion limit	: Not determined
Flash point	: Not applicable
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
pH	: Not applicable
Kinematic viscosity	: Not determined
Solubility	: The study does not need to be conducted because the substance is known to be insoluble in water
Partition coefficient n-octanol/water (log value)	: Not determined
Vapour pressure	: Not determined
Density and/or relative density	: 0,9 - 1,0 g/cm ³ (20 °C)
Relative vapour density	: Not determined
Particle characteristics	: Not determined

9.2. Other information

Information with regard to physical hazard classes	: No information available
Other safety characteristics	: No information available
Solvent content	: approx. 13% (VOC free)
Solid content	: 87%

SECTION 10: Stability and reactivity

10.1. Reactivity	: No risks worthy of mention.
10.2. Chemical stability	: Stability and reactivity: Yes. Hazards identification >450°C = Hazardous decomposition products (Gases/vapours, irritant - Gas/vapours, corrosive).
10.3. Possibility of hazardous reactions	: No risks worthy of mention.
10.4. Conditions to avoid	: No risks worthy of mention.
10.5. Incompatible materials	: No data available.
10.6. Hazardous decomposition products	: Thermal decomposition can lead to the escape of irritating gases and vapours.
Further information	: Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution	: No data available.
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Hazard class/ Effect	
Acute toxicity	: <u>Caprylic acid (CAS: 124-07-2)</u> : LD50 (Oral) = 10080 mg/kg (rat) LD50 (Dermal) >5000 mg/kg (rabbit) <u>Dicarboxylic acid mixture (CAS: 505-48-6)</u> : LD50 (Oral) >2000 mg/kg (rat)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Based on the available information, the classification criteria are not met.
Germ cell mutagenicity	: Based on the available information, the classification criteria are not met.
Carcinogenicity	: Based on the available information, the classification criteria are not met.
Reproductive toxicity	: Based on the available information, the classification criteria are not met.
STOT-single exposure	: Based on the available information, the classification criteria are not met.
STOT-repeated exposure	: Based on the available information, the classification criteria are not met.
Aspiration hazard	: Based on the available information, the classification criteria are not met.
11.2. Information on other hazards	
Endocrine disrupting properties	: The mixture does not contain substances included in the list established according to article 59(1) for their endocrine disrupting properties, or substances that have been identified as endocrine disrupting according to the criteria established in the Delegated Regulation (EU) 2017/2100 of the Commission or in Regulation (EU) 2018/605 of the Commission.
Other information	: No data available.

SECTION 12: Ecological information

12.1. Toxicity	: The product is not: Ecotoxic.
12.2. Persistence and degradability	: Avoid contact with skin and eyes.
12.3. Bioaccumulative potential	: On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment is unlikely.
12.4. Mobility in soil	: No data available.
12.5. Results of PBT and vPvB assessment	: The product does not contain substances classified as PBT or vPvB.
12.6. Endocrine disrupting properties	: The mixture does not contain substances included in the list established according to article 59(1) for their endocrine disrupting properties, or substances that have been identified as endocrine disrupting according to the criteria established in the Delegated Regulation (EU) 2017/2100 of the Commission or in Regulation (EU) 2018/605 of the Commission.
12.7. Other adverse effects	: No data available. Do not mix with other wastes.
Further information	: Avoid release to the environment. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Disposal recommendations	: Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

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List of Wastes Code - residues/unused products

: 200127
MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins containing hazardous substances; hazardous waste.

List of Wastes Code - used product

: 200127
MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paint, inks, adhesives and resins containing hazardous substances; hazardous waste.

List of Wastes Code - contaminated packaging

: 200101
MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); paper and cardboard.

Contaminated packaging

: Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

	ADR/RID	AND/ADNR	IMDG	IATA
14.1. UN number or ID number	No dangerous good in sense of these transport regulations.			
14.2. UN proper shipping name				
14.3. Transport hazard class(es)				
14.4. Packing group				
14.5. Environmental hazards				
14.6. Special precautions for user				
14.7. Maritime transport in bulk according to IMO instruments				

SECTION 15: Regulatory information

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

UE Regulations

REACH Authorisations

: The product does not contain substances that are on the SVHC candidate list, nor on REACH Annex XIV.

REACH use restrictions

: The product does not contain substances that are included in REACH Annex XVII.

2010/75/EU (VOC)

: 0%.

2004/42/EC (VOC)

: 0%.

Information according to 2012/18/UE (SEVESO III)

: Not subject to 2012/18/EU (SEVESO III).

Additional information

: To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC.

National Regulations

Employment restrictions

: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D)

: 1 - slightly hazardous to water.

15.2. Chemical safety assessment

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

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SECTION 16: Other information

Changes to the previous version	: The SDS format has been adapted to the requirements of EU Regulation 2020/878, which amends Annex II of the REACH Regulation.
Abbreviations and acronyms	: SDS: Safety Data Sheet PBT: Persistent, Bioaccumulative and Toxic. vPvB: Very Persistent and very Bioaccumulative. TLV: Thershold Limit Values TWA: Time Weighted Average ACGIH: American Conference of Industrial Hygienists DNEL: Derived no-effect level. PNEC: Predicted No Effect Concentration. SVHC: Substances of Very High Concern. LD50: median lethal dose. LC50: Median Lethal Concentration. ATEmix: Acute toxicity estimate of the mixture.
Key literature references and sources for data	: Safety data sheet of the ingredients. https://echa.europa.eu/
Classification for mixtures and used evaluation method according to GB CLP Regulation	: Calculation made from the classification of the substances that make up the mixture.
Full text of hazard statements (H)	: H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H319: Causes serious eye irritation.
Advice on any training appropriate for workers	: Plant maintenance and production personnel have received information and training on plant and equipment safety instructions.
Disclaimer	: This information only refers to the product described in this sheet and may not be valid if used in conjunction with other product(s) or in any process. The information presented is based on our most accurate current level of knowledge and is provided in good faith, but its accuracy or reliability cannot be guaranteed or assured. It is a guide for the safe handling, use, processing, storage, transport and disposal of this product and should not be construed as a guarantee or quality specification.