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

1.1. Product identifier
Mixture identification: BENZOPHENONE-3
Trade name: BENZOPHENONE-3
Trade code: BENZ.5
CAS number: 131-57-7
EC number: 205-031-5
REACH number: 01-2119976330-39-xxxx

1.2. Relevant identified uses of the substance or mixture and uses advised against:
Raw material for cosmetic, industry

1.3. Details of the supplier of the safety data sheet
Company:
ESPERIS SERVIZI srl
St. Ambrogio Binda 29
20143 MILANO (ITALY)
Tel. +39 02 89122219
Competent person responsible for the safety data sheet: info@esperis.it

1.4. Emergency telephone number
Antipoison Center - Hospital Name 1 - City - Telephone nbr. (availability information)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols:
Xi Irritant
R Phrases:
R38 Irritating to skin

EC regulation criteria 1272/2008 (CLP)

Warning, Skin Irrit. 2, Causes skin irritation.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, STOT SE 3, May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements
Symbols:

Warning
Hazard statements:
H315 Causes skin irritation.
Safety Data Sheet
BENZOPHENONE-3

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements:
P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 Store in a well-ventilated place.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:
None

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None

Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
Identification of the substance:
Trade code: BENZ.5
CAS number: 131-57-7
EC number: 205-031-5
REACH number: 01-2119976330-39-xxxx

3.2. Mixtures
N.A.

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

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
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:
None
SECTION 5: Firefighting measures
5.1. Extinguishing media
   Suitable extinguishing media:
   Water.
   Carbon dioxide (CO2).
   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.

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

SECTION 7: Handling and storage
7.1. Precautions for safe handling
   Avoid contact with skin and eyes, inhalation of vapours and mists.
   Don’t use empty container before they have been cleaned.
   Before making transfer operations, assure that there aren’t any incompatible material residuals in the containers.
   Contaminated clothing should be changed before entering eating areas.
   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 away from food, drink and feed.
   Incompatible materials:
   None in particular.
   Instructions as regards storage premises:
   Adequately ventilated premises.
7.3. Specific end use(s)
   None in particular

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
   No occupational exposure limit available
   DNEL Exposure Limit Values
PNEC Exposure Limit Values
N.A.

8.2. Exposure controls
Eye protection:
Not needed for normal use. Anyway, operate according to good working practices.
Protection for skin:
No special precaution must be adopted for normal use.
Protection for hands:
Use protective gloves that provide comprehensive protection, e.g., P.V.C., neoprene or rubber.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
None
Environmental exposure controls:
None

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties
Appearance and colour: crystalline powder
Odour: N.A.
Odour threshold: N.A.
pH: N.A.
Melting point / freezing point: 62.5
Initial boiling point and boiling range: 150 - 160
Solid/gas flammability: N.A.
Upper/lower flammability or explosive limits: N.A.
Vapour density: N.A.
Flash point: > 100 °C
Evaporation rate: N.A.
Vapour pressure: N.A.
Relative density: N.A.
Solubility in water: N.A.
Solubility in oil: N.A.
Partition coefficient (n-octanol/water): N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Viscosity: N.A.
Explosive properties: N.A.
Oxidizing properties: N.A.

9.2. Other information
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.

10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Toxicological information of the substance:
BENZOPHENONE-3
- CAS: 131-57-7
  a) acute toxicity:
    Test: LD50 - Route: Oral - Species: Rat = 7400 mg/kg

If not differently specified, the information required in Regulation 453/2010/EC 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.

SECTION 12: Ecological information
12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
BENZOPHENONE-3
- CAS: 131-57-7
  a) Aquatic acute toxicity:
    Endpoint: EC50 - Species: Daphnia > 10000 mg/kg - Duration h: 0.5

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

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.

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.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Dir. 2006/8/EC
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 768/2013
Regulation (EU) n. 453/2010 (Annex I)
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None

Where applicable, refer to the following regulatory provisions:
- Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
- 1999/13/EC (VOC directive)

15.2. Chemical safety assessment
No

SECTION 16: Other information

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 15: Regulatory information

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
CCNL - Appendix 1
Insert further consulted bibliography
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).
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.
LTE: Long-term exposure.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE: Short-term exposure.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK: German Water Hazard Class.