



Certificate of Analysis

Product: Emulsifying Wax Peg-20

Batch Number: 4470001

Best Before Date: May 2025

Test Method	Test	Analysis	Specification
Visual	Appearance	Complies	White to pale cream
ICP 004	Acid Value, mgKOH/gr	0.22	2 maximum
ICP006	Hydroxyl Value	184	177 - 193
ICP 007	Saponification Value, mgKOH/gr	8.50	7.5 - 15
ICP 008	PH %	5.96	5.5 - 7.5

Authorised signatory: This is an electronically generated document and is valid without a signature



Emulsifying Wax (Cetearyl Alcohol PEG-20 Stearate) GP FLOW CHART

Cetearyl Alcohol PEG-20 Stearate



WARMING



STIRRING



Emulsifying Wax (Cetearyl Alcohol PEG-20 Stearate)

NK Wax GP**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier**

Product name: Emulsifying Wax Peg 20
CAS number: 8005-44-5 and 9004-99-3
EINECS number: 267-008-6 and Polymer
INCI Name: Cetearyl Alcohol (and) PEG-20 Stearate

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

Use of substance / mixture: Self emulsifying Wax.

1.3. Details of the supplier of the safety data sheet

Supplier Name: Madar Corporation Limited
Supplier Address: 19 - 20 Sandleheath Industrial Estate
Fordingbridge
SP6 1PA

Supplier Telephone: +44 (0)1425 655555
Email: technical@madarcorporation.co.uk

1.4. Emergency telephone number

Telephone: +44 (0)1924 844820 (office hours only)

Section 2: Hazards Identification**2.1. Classification of the substance or mixture**

Classification under CHIP: Not classified for supply
Classification under CLP: Not classified for supply

2.2. Label elements

Label Elements under CLP: This product has no label elements under CLP as it is not classified

2.3. Other hazards

PBT: This substance is not identified as a PBT substance

Section 3: Composition/information on ingredients**3.1. Substances**

Emulsifying Wax Peg 20**Chemical identity:** Cetearyl Alcohol (and) PEG-20 Stearate**Section 4: First aid measures****4.1. Description of first aid measures**

- Skin contact:** Wash the affected area with copious amounts of water. Remove any contaminated clothing. Seek medical advice should irritation occur and persist.
- Eye contact:** Immediately flush the eye with water for at least ten minutes. Seek medical attention should irritation occur and persist..
- Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
- Inhalation:** Remove from exposure, keep warm and at rest if breathing fails apply artificial respiration. Seek immediate medical attention.

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

In some cases of exposure, the following symptoms may be observed:

- Skin contact:** There may be mild irritation at the site of contact.
- Eye contact:** There may be irritation and redness
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** Not applicable

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

- Skin contact:** Not applicable
- Eye contact:** Not applicable
- Ingestion:** Not applicable.
- Inhalation:** Not applicable

Section 5: Fire-fighting measures**5.1. Extinguishing media**

Extinguishing media: Water spray, alcohol resistant foam, dry chemical powder or carbon dioxide for small fires only.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear protective clothing to prevent contact with skin and eyes.

Emulsifying Wax Peg 20

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Contain the spillage using bunding. Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a suitable container. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Not applicable

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Not applicable

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: Not applicable.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

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Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
Eye protection: Safety goggles.
Skin protection: Protective clothing with elasticated cuffs and closed neck.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Flakes
Colour: White
Odour: Characteristic
Solubility in water: Soluble
Soluble in: Oil
Melting Point: Approx 50°C
Relative Density: 0.90 - 0.92
Flash Point: >300°C

9.2. Other information

Not applicable

Section 10: Stability and reactivity

10.1. Reactivity

Not applicable

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not applicable

10.4. Conditions to avoid

Conditions to avoid: Avoid open flames

10.5. Incompatible materials

Incompatible materials: Concentrated nitric acid or sulphuric acid, strong oxidising agents

10.6. Hazardous decomposition products

Emulsifying Wax Peg 20

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: Not Applicable

Symptoms / routes of exposure

Not applicable

Section 12: Ecological information

12.1. Toxicity

Not data available

12.2. Persistence and degradability

Persistence and degradability: biodegradable in conventional biological purification treatment

12.3. Bioaccumulative potential

Not data available

12.4. Mobility in soil

Mobility: Dispersible in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Not applicable

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Must be disposed of in accordance with local and national regulations.
Disposal of packaging: Dispose of as normal industrial waste.

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NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: Not classified for transport

14.2. UN proper shipping name

UN proper shipping name: Not applicable.

14.3. Transport hazard class(es)

Transport hazard class: Not applicable.

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

Environmental hazards: Not classified as environmentally hazardous according to UN Model Regulations (IMDG, ADR, RID and ADN)

14.6. Special precautions for user

Disposal operations: Must be disposed of in accordance with local and national regulations.

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

Transport in bulk: Product will not be transported in bulk

Section 15: Regulatory information

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

Not applicable

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

SAFETY DATA SHEET

Date of Issue: 17/12/2020

Issue: 3

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Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

INCI Name: Cetearyl Alcohol and PEG-20 Stearate
Cas No: 8005-44-5 and 9004-99-3
Synonyms: Emulsifying Wax

Emulsifying Wax Peg 20 is a blend of selected fatty alcohols and polyethylene glycol esters. The product forms stable, non-ionic emulsions that are compatible with a wide range of additives such as emollients. It is tolerant of pH and dissolved electrolytes and finds use as the main emulsifying system in cosmetics and toiletries such as creams, skin lotions and cleansing lotions. The individual components of Emulsifying Wax Peg 20 are recognised as safe for skin use and there is no history of adverse reaction.

Raw material basis

Vegetable (coconut/palm kernel/palm oil)
Petrochemical (ethylene oxide)

Specification

Appearance	Cream coloured, waxy solid
Acid Value (mgKOH/g)	2.0 maximum
Hydroxyl Value (mg KOH/g)	177 – 193
Saponification Value (mg KOH/g)	7.5 – 15.0
pH (5% solution)	5.5 – 7.5

Additional Data

Iodine value	2,0 Max gI2/100gr
Dropping point	47 – 51 °C

Other Information

Allergens None of 26 allergens listed in 1223/2009 Regulation has been added to above mentioned product

Animal tests The product has never been tested by NK Chemicals Europe Ltd on animals nor commissioned by NK Chemicals Europe Ltd to test this product on animals.

Antioxidants Not present

BSE Free

CMR Free

Ethanol Free

Ethylenglycol Free

GMO Free

Heavy metals Meets the legal requirement Max 10 ppm

Lactose, Latex & Gluten Free

Nano material Free

Pesticides Based on our actual knowledge we do not expect pesticides to be present

Phthalates Based on our actual knowledge we do not expect phthalates to be present

Polycyclic aromatic hydrocarbons Based on our actual knowledge we do not expect polycyclic aromatic hydrocarbons to be present

Preservatives Not present

Solvents Not present

SVHC Not present

Other impurities Dioxane Max 5 ppm / Ethylene oxide Max 1 ppm

Storage / Shelf Life

Storage temperature

0 - +30 °C, in original sealed packing and protect from moisture

Shelf life

24 months



Vegan Declaration

Product Information

Product Name: Emulsifying Wax (Cetearyl Alcohol / Peg-20 Stearate)

We hereby declare that the above-mentioned material has not been tested on animals, does not contain dairy or any other animal product or derivative, and is therefore suitable for Vegetarian and Vegan use.

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09/07/2021