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

* 1. Product identifier

Product name: Polysorbate 80

CAS number: 9005-65-6

EINECS number: POLYMER

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

Use of substance / mixture: SURFACTANT

* 1. Details of the supplier of the safety data sheet

STANSFIELD’S FRAGRANCE OILS LTD.

Unit 14a, Ipark Industrial Estate, Innovation Drive,

Hull, East Yorkshire, HU5 1SG

Tel: +44 (0) 1482 447272

Email: info@stansfields.shop

Section 2: Hazards identification

2.1. Classification of the substance or mixture Classification under CLP: Eye Irrit. 2: H319 Most important adverse effects: Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

Precautionary statements: P280: Wear eye protection.

P264: Wash hands thoroughly after handling.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice/attention.

2.3. Other hazards PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: POLYOXYETHYLENE SORBITAN MONO-OLEATE

CAS number: 9005-65-6

EINECS number: POLYMER

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. Move to fresh air in case of accidental inhalation of vapours.

4.2. Most important symptoms and effects, both acute and delayed Skin contact: There may be mild irritation at the site of contact. Eye contact: There may be irritation and pain. Ingestion: There may be soreness and redness of the mouth and throat. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed Immediate / special treatment: No data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media Extinguishing media: Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

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

6.3. Methods and material for containment and cleaning up Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

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 a cool, well ventilated area. Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s) Specific end use(s): Surfactant

Section 8: Exposure controls/personal protection

8.1. Control parameters Workplace exposure limits: No data available. DNEL/PNEC Values DNEL / PNEC No data available.

8.2. Exposure controls Engineering measures: Ensure there is sufficient ventilation of the area. Respiratory protection: Respiratory protection not required. Hand protection: Protective gloves. Eye protection: Safety goggles. Skin protection: Protective clothing. Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties State: Liquid Colour: Amber Odour: Characteristic odour Solubility in water: Miscible Boiling point/range°C: >200 Melting point/range°C: 150 Relative density: 1.10 pH: 7

9.2. Other information Other information: Viscosity 720 centistokes at 25 deg C Section

10: Stability and reactivity

10.1. Reactivity Reactivity: Stable under recommended transport or storage conditions. 10.2. Chemical stability Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid Conditions to avoid: Heat.

10.5. Incompatible materials Materials to avoid: Bases. Metals. Oxidising agents.

10.6. Hazardous decomposition products Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects Toxicity values: Route Species Test Value Units ORAL MUS LD50 25000 mg/kg Relevant hazards for substance: Hazard Route Basis Serious eye damage/irritation OPT Hazardous: calculated Symptoms / routes of exposure Skin contact: There may be mild irritation at the site of contact. Eye contact: There may be irritation and pain. Ingestion: There may be soreness and redness of the mouth and throat. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Delayed / immediate effects: No data available. Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity Ecotoxicity values: No data available.

12.2. Persistence and degradability Persistence and degradability: Readily biodegradable. 12.3. Bioaccumulative potential Bioaccumulative potential: No data available.

12.4. Mobility in soil Mobility: No data available.

12.5. Results of PBT and vPvB assessment PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Recovery operations: Not applicable. Disposal of packaging: Arrange for collection by specialised disposal company. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Specific regulations: 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 Other information Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. \* indicates text in the SDS which has changed since the last revision. Phrases used in s.2 and s.3: H319: Causes serious eye irritation. 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.