1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier:		
Substance name:		
Biological Definition	**Product Name: Tagetes Oil**	
INCI Name	Tagetes Minuta Flower/Leaf Oil	
Synonyms & Trade Names		
EC NO: 294-862-7	**CAS NO:** 91770-75-1 / 8016-84-0	**EINECS CAS Number:**
Index No:	**Reach Registration No:**	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: **Product Use:** SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU10] Formulation [mixing] of preparations and/or re-packaging (excluding alloys); [PC39] Cosmetics, personal care. **Description:** For use in the Cosmetics and Personal Care Industry		
Uses advised against:		
1.3 Details of the supplier of the safety data sheet		
Company	Penny Price Aromatherapy Ltd	
	Unit D3 Radius Court	
	Maple Drive	
	Hinckley	
	Leicestershire LE10 3BE	
Email	info@penny-price.com	
1.4 Emergency Telephone Number	00 44 (0) 1455 251020 opening hours Mon – Thurs 9am – 5pm, Fri 9am – 2pm. Or call NHS 111 or NHS 999	

2. Hazards Identification			
2.1 Classification of the substance or mixture			
Classified according to Regulation (EC) 1272/2008 (CLP) as amended: This product is classed as Non Hazardous. **Main Hazard:** This product is classed as Non Hazardous. **Classification: 67/548/EEC:** This product is classed as Non Hazardous	Physical and Chemical Hazards		
	Human Health		
	Environment		
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008: This product is classed as Non Hazardous			
Signal Word. This product is classed as Non Hazardous			
Hazard statements. This product is classed as Non Hazardous			
Precautionary Statements Prevention. No data available			

Precautionary Statements Response. No data available
Precautionary Statements Storage. No data available
Precautionary Statements Disposal. No data available
Supplementary Precautionary Statements: No data available
2.3 Other hazards – Results of PBT and vPvB According to Annex XIII
Adverse Physio-chemical Properties
Adverse Effects on Human Health

3. 1 Composition / information on ingredients:
Substances 67/548/EEC / 1999/45/EC

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Tagetes Minuta Flower/Leaf Oil	CAS: 91770-75-1 / 8016-84-0 EC No: 294-862-7		Non Hazardous

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If irritation persists seek medical advice / attention.
Skin contact	Take off all contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention.
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. Immediately call POISON CENTER or GP. Do not give milk or fatty oils.
4.2 Most important symptoms and effects, both acute and delayed:	
The most important symptoms and effects are stated in Section 2.2 and Section 1.1	
4.3 Indication of any immediate medical attention and special treatment need	
None expected, see Section 4.1 for further information.	
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	This product is Non-explosive Non-flammable liquid. Use dry chemical powder, carbon dioxide, foam and water extinction.
Unsuitable extinguishing media:	
5.2 Special hazards arising from the substances or mixture:	
Hazardous combustion products:	In case of fire, may relase Carbon oxide compounds.

5.3 Advice for firefighters	Must wear self-contained breathing apparatus in case of insufficient ventilation

6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	No data available. See protective measures under section 7 & 8.
6.1.2 For Emergency responders	
6.2 Environmental precautions	No data available.
6.3 Methods for cleaning up – 6.3.1 For containment:	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
6.3.2 For cleaning up:	
6.3.3. Other information:	
6.4 Reference to other sections	See sections 8 and 13 for additional information

7. Handling and storage	
7.1 Precautions for safe handling	
Protective measures: Prevent formation of aerosols. Handle in a well-ventilated area, away from sources of ignition. DO NOT SMOKE. Apply good manufacturing practice and industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.	
Measures to prevent fire:	Keep away from heat and sources of ignition. In case of insufficient ventilation, wear suitable respiratory equipment. Use in accordance with good manufacturing and industrial hygiene practices.
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	Do not ingest or breathe in the fumes/ vapour/spray. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Use personal protective equipment as required
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	
Packaging Materials:	

Requirements for storage and vessels:	Keep container tightly closed and store in a cool and well-ventilated environment, away from direct heat and sunlight at ambient temperature (4-25°c).
Storage Class: Further information on storage containers:	
7.3 Specific end use(s).	For use in the Cosmetics and Personal Care Industry.
Recommendations:	
Industrial sector specific solutions:	

8. Exposure controls/Personal protection:	
8.1 Control parameters	Not applicable.
8.2 Exposure controls	Provide exhaust sufficient ventilation controls. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Engineering Measures	Ensure good ventilation of working area.
8.2.2 Personal Protection equipment	
8.2.2.1 Eye / face protection	Wear protective goggles/glasses
8.2.2.2 Skin Protection	Wear protective gloves. Wear protective skin covering.
Hand protection	Wear protective gloves. Wear protective skin covering.
Other skin protection	
8.2.2.3 Respiratory protection	Respiratory Protective Equipment (RPE) is not normally required where there is adequate natural or local exhaust ventilation to control buildup of excessive vapour. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.
General information:	Use personal protective equipment as required.
Other:	Always observe good personal hygiene measures, such as washing hands after handling the material and before eating and drinking. See sections 2 & 7 for additional information.
Ventilation	
8.2.2.4 Thermal hazards	
8.2.3 Environmental exposure controls	
9. Physical and chemical properties- C of A	
9.1 Information on basic physical and chemical properties	

Colour	Light yellow in colour.
Appearance	Liquid
Odour	Characteristic of Marigold
Melting Point / freezing point	Not determined.
Boiling point /Initial boiling point & boiling range	Not determined
Flammability (solid, gas)	Not determined
Lower and upper explosion limit	
Flash point ^{0}C	Above 65°C
Evaporation rate	Not determined
Auto- ignition temperature	
Decomposition temperature	
pH	
Viscosity	Not determined
Solubility	Insoluble in water & partially soluble in alcohol
Solubility in other Solvents	
Partition coefficient	Not determined
Vapour Pressure	Not determined.
Relative Density	Not determined.
Bulk Density	0.84646 @ 20°c
Particle characteristics	
Explosive Properties	Not determined
Oxidising Properties	Not determined
9.2 Other information	No additional information.
Specific gravity	
Optical rotation @ 20^{0}C	
Refractive index	1.49568 @20°C
Typical analysis of major components	

10. Stability and reactivity	
10.1 Reactivity	Stable under the recommended handling and storage conditions. Presents no significant reactivity hazards on its own or in contact with water.
10.2 Chemical Stability	Stable under recommended handling and storage conditions.
10.3 Possibility of hazardous reactions:	Not expected under normal conditions of use.
10.4 Conditions to avoid:	Avoid extreme heat
10.5 Incompatible Materials:	No data available
10.6 Hazardous Decomposition Products	Not expected

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Information on Toxicological Effects	
Acute toxicity:	No data available

Skin corrosion /irritation:	No data available
Seriously eye damage/irritation:	No data available
Respiratory or skin sensitisation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Summary of evaluation of the CMR properties:	
STOT- single exposure,	
STOT-repeated exposure:	
Aspiration hazard:	

12. Ecological information	
12.1 Eco Toxicity	No ecological problems are to be expected when the product is handled and used with due care and attention.
12.2 Persistency & degradability	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
12.3 Bio accumulative potential	Not available
12.4 Mobility in soil	
12.5 Results of PBT and vPvB Assessment	
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	Not available

13. Disposal considerations	
13.1 Waste treatment methods	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Regional and local disposal regulations may differ from national disposal regulations.
13.1.1. Product /Packaging disposal:	
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Do not allow material to intrude soil or waters. Dispose of contents / container in accordance with local / regional/ national / international regulations.

14. Transport information	
14.1 UN Number or ID number	The product is not classified as dangerous for carriage.
14.2 UN proper Shipping name	The product is not classified as dangerous for carriage.
14.3 Transport hazard class(es)	The product is not classified as dangerous for carriage.
14.4 Packing group	
14.5 Environmental hazards	
14.6 Special precautions for user	
14.7 Maritime transport in bulk according to IMO instruments	

15 Regulatory information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	
EU Legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2 Chemical Safety Assessment	A Chemical Safety Assessment has not been carried out for this product. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

16. Other information

(i) Indication of Changes: Revised Safety Data Sheet Format: From March 2019. – Section 2 and 3 have changed places, additional points added under each section in line with Regulation EC) No 1272/2008 Version 4.2 March 2021'.

(ii) Abbreviations and acronyms:

DNEL: Derived No-Effect Level.
PNEC: Predicted No- Effect Concentration.
ADR: European agreement concerning the international carriage of dangerous goods by road.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the 'International Civil Aviation Organisation" (ICAO)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Maritime Dangerous Goods.
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
WGK: Water Hazard Class.

LC50: Lethal concentration, 50 percent
LD50: Lethal Dose, 50 percent
PBT: Persistent, Bio accumulative and Toxic
vPvB: Very Persistent and very Bio accumulative
Flam. Liq: Flammable Liquid
AT: Acute Toxicity – O = Oral / D = Dermal / I = Inhalation
Asp: Aspiration Hazard
Skin Corr/ Irrit: Skin Corrosion / Irritation
Skin Sens: Skin Sensation
Eye Dam/ Irrit: Eye damage / Irritation
Muta: Mutagenic
Carc: Carcinogenic
Resp: Respiration Sensitive
Repro: Reproductive Sensitive
EH A: Environmental Hazard Aquatic Acute
EH C: Environmental Hazard Aquatic Chronic

(iii) Key Literature references and sources of date.

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):

Classification according to Regulation (EC) 1272/2008(CLP)	**Classification procedure**
(v) Relevant H-statements (number and full text):	
(vi) Training advice:	
(vii) Further information:	
Shelf life	Minimum 12 months when stored in the advised conditions.

QC requirements

In line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

Disclaimer:

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is date supplied without warranty, expressed, or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification or for any given application and buyers should seek to verify their requirements and product use.