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BOTANICALS



SAFTY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

Issue Date: December 29, 2016

Version No.: 1

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
Product Name **ROSEMARY OIL**
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**
Identified uses Cosmetic raw material
- 1.3 Details of the Supplier of the Safety Data Sheet**
Company Botanicals Plus Corporation
163 East Main Street
Little Falls, NJ 07424
Tel: + 973-439-1417
Fax: + 973-439-1418
- 1.4 Emergency telephone number** +1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted)

SECTION 2 – HAZARDS INGREDIENTS

- 2.1 Classification of the Substance or Mixture** according to Regulation (EC) 1272/2008
Flammable liquid, category 3
Aspiration hazard, category 1
Skin irritation, category 2
Skin sensitization, category 1b
Specific target organ toxicity - single exposure, category 2
Dangerous for aquatic ambient, chronic toxicity, category 2

- 2.2 Label Elements** according to Regulation (EC) EU 1272/2008
Hazard pictogram



Signal words
Hazard statements

Danger
H226 Flammable Liquid and vapor
H304 Can be fatal if swallowed and enters airways
H319 It causes eye irritation
H315 It causes skin irritation
H317 May cause an allergic skin reaction
H371 May cause damage to organs

Precautionary statements

H411 Toxic to aquatic life with long lasting effects
P210 Keep away from heat, hot surfaces, sparks, open flame or other ignition sources. Not smoking.
P233 Keep container tightly closed
P264 Wash thoroughly ... after use
P280 Wear protective gloves and protect eyes / face



BOTANICALS

PLUS!

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Contains
EC

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
Rosmarinus Officinalis Oil
283-291-9

2.3 Other Hazards

Based on available data, the product does not contain any PBT or vPvB substances as a percentage greater than 0.1%

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance Identification

Classification 1272/2008 (CLP)

Rosmarinus Officinalis Oil
CAS 84604-14-8

100

Flam. Liq. 3 H226, Asp. Tox. 1 H304, Eye Irrit. 2 H319
Skin Irrit. 2 H315, STOT SE 2 H371, Aquatic Chronic 2 H411

SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures
EYES:

Remove contact lenses. Wash immediately with plenty of water for at least 30/60 minutes, opening her eyelids. Call a doctor immediately.

SKIN:

Take off contaminated clothing. Taking a shower immediately. Call a doctor immediately. Wash contaminated clothing before reuse.

INHALATION:

Bring to fresh air. If breathing has stopped, administer artificial respiration. Call a physician immediately.

INGESTION:

Call a physician immediately. Do not induce vomiting. Do not administer anything that is not expressly authorized by the physician.

4.2 Most important Symptoms and Effects

For symptoms and effects caused by the contained substances see chap. 11.

4.3 Indication of any immediate Medical Attention and special Treatment needed

No information available.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media

The extinction equipment are: carbon dioxide, foam, dry chemical. For leaks and spills that have not caught fire, nebulized water may be used to disperse the flammable



PLUS!

BOTANICALS



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vapors and protect the people involved in stopping the leakage.

5.2 Unsuitable Extinguishing Media

Do not use water jet. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.3 Special Hazards arising from the Chemical

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.4 General Information

Cool down with water jets the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

5.5 Protective Equipment for Fire-fighting

Normal clothing to fight the fire, such as a compressed air breathing apparatus open circuit (EN 137), complete with flame retardant (EN469), flame-resistant gloves (EN 659) and boots for the fire brigade (HO A29 or A30).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, Protective Equipment and Emergency Procedures

Stop leak if safe to do so. Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These directions are valid both for the workers to work which for emergency interventions. Keep away unprotected persons. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) Or from the air in which the leak occurred.

6.2 Environmental Precautions

Prevent from draining into drains, surface water, ground or Water.

6.3 Methods and Material for Containment and Cleaning Up

Draw off spilled product into a suitable container. If your product is flammable, use an equipment explosion. Assess the compatibility of the container to be used with the product, verifying section 10. Absorb the remainder with inert absorbent material. Ensure adequate ventilation of the place affected by the loss. The disposal of contaminated material must be made in accordance with point 13.

6.4 Reference to other Sections

Section 8: Exposure control /personal protection.



PLUS!

BOTANICALS



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Section 13: Waste treatment.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Keep away from heat, sparks and open flames, do not smoke, use matches or lighters. Vapors may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open and ensuring a good ventilation. Without adequate ventilation, the vapors may accumulate on the ground and ignite at a distance, if triggered off with the risk of flashback. Avoid the accumulation of electrostatic charges. Connect to an earth socket in the case of large packaging's while decanting and wear antistatic shoes. The strong stirring and vigorous flow through the piping and equipment may cause the formation and accumulation of electrostatic charges. To avoid the danger of fire and explosion never use compressed air during movement. Open containers with caution, because they can be under pressure. Do not eat, drink or smoke while handling it. Avoid dispersal into the environment.

7.2 Condition for Safe Storage, including any Incompatibilities

Store only in the original container. Store in a ventilated place, away from sources of ignition. Keep container tightly sealed. Keep the product in clearly labeled containers. Avoid overheating. Avoid shocks. Store containers away from any incompatible materials, checking section 10.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No data available.

8.2 Exposure Controls

As the use of adequate technical equipment must always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration. The personal protective equipment must bear the CE marking attesting to their compliance with applicable regulations. Provide emergency shower with visocular pan.

8.3 Personal Protective Equipment Hand

Protect your hands with work gloves, category III (ref. Standard EN 374). For the final choice of work glove material must be considered: compatibility, degradation, breakage times and permeation. In the case of preparations the resistance of protective gloves to chemicals should be checked before use, as it expected. The Gloves' limit depends on the duration and the mode of use.



PLUS!

BOTANICALS



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

Issue Date: December 29, 2016

Version No.: 1

Skin	Wear work clothes with long sleeves and safety footwear for professional use category II (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing
Eye	Protective airtight goggles (ref. Standard EN 166) are recommended.
Respiratory	In case of exceeding the threshold value (eg. TLV-TWA) of the substance or one or more of the substances present in the product, it is advisable to wear a mask with type B filter, the class (1, 2 or 3) must be chosen according to the limit concentration of use. (Ref. Standard EN 14387). In the case were present gas or of a different nature vapors and / or gases or vapors with particles (aerosols, fumes, mists, etc.) Should be provided for combined type filters. Use of respiratory protective equipment is necessary in case the technical measures taken are not sufficient to limit l'esposizione the worker to the threshold values considered. The protection provided by masks is in any case limited. In the case where the substance in question is odorless or its olfactory threshold is higher than the related TLV-TWA, and in case of emergency, wear a compressed air breathing apparatus open circuit (ref. Standard EN 137) or a respirator in socket d' outdoor air (ref. standard EN 138). For the correct choice of respiratory protection device, refer to EN 529.
Environmental controls	Emissions from production processes, including those from ventilation should be checked for compliance of environmental protection legislation. Product residues should not be discharged without control in wastewater or river.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Appearance	Liquid
Color	Clear Yellow
Odor	Characteristic
Odor threshold	No data available
pH	No data available
Melting point	No data available
Initial Boiling point	No data available
Boiling range	No data available
Flash point	47.3 °C
Evaporation rate	No data available
Lower flammability limit	No data available
Upper flammability limit	No data available
Lower explosive limit	No data available
Upper explosive limit	No data available
Vapor pressure	No data available
Vapor density	No data available



PLUS!

BOTANICALS



SAFETY DATA SHEET

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Version No.: 1

Relative density	0.892-0.92
Solubility	Soluble in organic solvents
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature.	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10 – STABILITY AND REACTIVITY

10.1 Stability	Stable under normal conditions of use and storage.
10.2 Reactivity	There are no particular risks of reaction with other substances in normal conditions of use.
10.3 Possibility of Hazardous Reactions	Vapors may form explosive mixtures with air.
10.4 Conditions to Avoid	Overheating and accumulation of electrostatic charges. Avoid sources of ignition.
10.5 Incompatible Materials	No data available.
10.6 Hazardous Decomposition Products	When heated or in case of fire, can be released vapors potentially dangerous to health.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects	In the absence of experimental toxicological data on the product itself, the possible health hazards of the product were evaluated based on the properties of the substances contained, according to the criteria laid down by the relevant regulations for the classification. Therefore, consider the concentration of each hazardous substances possibly mentioned in sect. 3, to evaluate the toxicological effects deriving to the exposure to the product.
SKIN CORROSION / IRRITATION	It causes skin irritation.
SERIOUS EYE DAMAGE / IRRITATION	It causes serious eye irritation
RESPIRATORY OR SKIN SENSITIZATION	Skin sensitizer.
MUTAGENICITY ON GERM CELL	It does not meet the classification criteria for this hazard class.
CARCINOGENICITY	It does not meet the classification criteria for this hazard class.
TOXIC TO REPRODUCTION.	It does not meet the classification criteria for this hazard class.
SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE	It does not meet the classification criteria for this hazard class.
SPECIFIC TARGET ORGAN TOXICITY (STOT)	It does not meet the classification criteria for this hazard class.



BOTANICALS

PLUS!

SAFETY DATA SHEET
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Version No.: 1

- REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class.

DANGER ASPIRATION

Aspiration toxic.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity	No data available.
12.2 Persistence and Degradibility	Readily biodegradable.
12.3 Bioaccumulative Potential	No data available.
12.4 Mobility in Soil	No data available.
12.5 Results of PBT and vPvB Assessment	Based on available data, the product does not contain any PBT or vPvP substances as a percentage greater than 0.1%.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods	Reuse when possible. The product residues should be considered special non-hazardous waste. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. Must be recovered or disposed of in compliance with national waste management regulations.
Contaminated Packaging	

SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number ADR / RID, IMDG, IATA:	1169	
14.2 UN Proper Shipping Name ADR / RID: IMDG: IATA:	EXTRACTS, AROMATIC, LIQUID EXTRACTS, AROMATIC, LIQUID EXTRACTS, AROMATIC, LIQUID	
14.3 Transport Hazard Class(es) ADR/RID: IMDG: IATA:	Group: 3 Label: 3 Group: 3 Label: 3 Group: 3 Label: 3	
14.4 Packing Group ADR/RID, IMDG, IATA:	III	
14.5 Environmental Hazards ADR/RID: IMDG: IATA:	Dangerous for the environment Marine Pollutant No	



PLUS!

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For air transport, the environmental hazard label is required only for UN No. 3077 and 3082.

14.6 Special Precautions for Users

ADR / RID:	HIN - Kemler: 30	Limit Quantity: 5 L	Restriction code gallery: (D/E)
IMDG:	Special provision: - EMS: F-E, S-D	Limit Quantity: 5 L	
IATA:	Cargo:	Maximum Quantity: 220 L	Packing instructions: 366
	Pass.:	Maximum Quantity: 60 L A3	Packing instructions 355

14.7 Transport in Bulk according to Annex II of Marpol 112 and the IBC Code

No data available.

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, Health, and Environmental Regulations/Legislation specific for the Substance or Mixture

Seveso category.	Dir. 2012/18/CE: P5c-E2
Restrictions relating to the product or contained substances pursuant to Annex XVII to Regulation (EC) 1907/2006	Point 3-40
Substance in Candidate List (Art. 59 REACH)	None.
Substances subject to authorization (Annex XIV) REACH	None.
Substances subject to the Rotterdam Convention	None.
Substances subject to the Stockholm Convention	None.
Health Controls	Workers exposed to this chemical agent to health must undergo health checks according to the provisions of Article. 41 of Legislative Decree no. 81 of April 9, 2008 unless the risk for the safety and health of the worker has been assessed irrelevant, according to art. 224 paragraph 2.

15.2 Chemical Safety Assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.



PLUS!

BOTANICALS



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According to Regulation (EC) No 1907/2006 (REACH)

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SECTION 16 – OTHER INFORMATION

16.1 Text of Hazard (H) Indications mentioned in Section 2-3

Flam. Liq. 3	Flammable liquid, category 3
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, Category 2
Skin Irrit. 2	Dermal irritation, Category 2
Aquatic Chronic 2	Dangerous for aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Dangerous for aquatic environment, chronic toxicity, category 3
Aquatic Chronic 4	Dangerous for aquatic environment, chronic toxicity, category 4
H226	Flammable liquid and vapor.
H304	It can be fatal if swallowed and enters airways.H315
H319	Causes skin irritation.
H315	It causes serious eye irritation.
H371	It causes skin irritation.
H411	It may cause damage to organs.
H412	Toxic to aquatic life with long lasting effects.
H413	Harmful to aquatic life with long lasting effects.
	It may be harmful to aquatic life with long lasting effects

16.2 Abbreviations and Acronyms

- ADR: European Agreement on the Transport of Dangerous Goods by Road
- CAS NUMBER: Number of Chemical Abstract Service
- CE50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identificate number in ESIS
- CLP: Regulation CE 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulation for the transport of dangerous goods International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Code for Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: ID number nell'Annesso VI of the CLP
- LC50: Letal concentration 50%
- LD50: Letal dose 50%
- OEL: Occupational exposure levels
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect
- REACH: Regulation CE 1907/2006
- RID: Regulation for the international transport of dangerous goods by rail
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time working dell'esposizione.
- TWA STEL: Short-term exposure limit
- TWA: Weighted average exposure limit



PLUS!

BOTANICALS



SAFETY DATA SHEET
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- VOC: Volatile Organic Compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

16.3 Key Literature and Sources for Data

1. Regulation (EC) 1907/2006 (REACH)
 2. Regulation (EC) 1272/2008 (CLP)
 3. Regulation (EC) 790/2009 (I Atp. CLP)
 4. Regulation (EC) 2015/830
 5. Regulation (EC) 286/2011 (II Atp. CLP)
 6. Regulation (EC) 618/2012 (III Atp. CLP)
 7. Regulation (EC) 487/2013 (IV Atp. CLP)
 8. Regulation (EC) 944/2013 (V Atp. CLP)
 9. Regulation (EC) 605/2014 (VI Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - Web Site Agenzia ECHA

The information contained in this Safety Data Sheet is accurate to the best of our knowledge and is valid for the material as delivered. This information only describes safety measures and no liability arising out of the use, application or processing of the material described herein is accepted. It is the user's responsibility to determine safe conditions for the use of this product.