Importers and dealers of
- Natural and Organic Oils
- Essential Oils
- Natural Powders
- Clays, etc
- Agro Products
- General Contracts

Rose essential oil

Version：V2.0.0.1

Creation Date：2023/05/10

Revision Date：2023/05/10

***Prepared according to American OSHA HazCom Standard (2012)**

1 Identification

Product identifier

Product Name	Rose essential oil
CAS No.	90106-38-0 / 8007-01-0
EC No.	616-902-8
Molecular Formula	-

Recommended use of the product and restrictions on use

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	Sophix Natural

Address of the company	5, Olayinka Owodunni Street, Off Sule Abore, Behind NNPC Filling Station, Ojodu Berger, Lagos.
Post code	
Telephone number	+234 706 1111 838
Fax number	——
E-mail address	sophixnatural@gmail.com

Emergency phone number

Emergency phone number	18818802285

2 Hazard(s) identification

Hazard classification according to GHS

Flammable Liquids	Category 4
Skin Corrosion/Irritation	Category 2
Sensitization – Skin	Category 1
Eye Damage/Irritation	Category 1
Carcinogenicity	Category 2

GHS Label elements

Hazard pictograms	
Signal word	**Danger**

Hazard statements

H227	Combustible liquid
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H351	Suspected of causing cancer

Precautionary statements

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash face and hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P362+P364	Take off contaminated clothing and wash it before reuse.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

□□□□Storage

P403	Store in a well-ventilated place.
P405	Store locked up.

□□□□Disposal

P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

| Other hazards

| Extinguishing media

Suitable extinguishing media	Dry chemical, carbon dioxide or alcohol-resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter or spread fire.

| Specific hazards arising from the substance or mixture

1	Development of hazardous combustion gases or vapor possible in the event of fire.
2	May expansion or decompose explosively when heated or involved in fire.
3	Slight fire risk.

| Sp ecial protective equipment and precautions for fire-fighters

1	As in any fire, wear self-contained breathing apparatus（MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

| Per sonal precautions, protective equipment and emergency procedures

1	Use personal protective equipment,do not breathe gas/mist/vapour/spray.
2	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
3	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

| En vironmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

| Met hods and materials for containment and cleaning up

1	Cut off the source of the leak as much as possible.
2	Keep leaks in a ventilated place.
3	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
4	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

	No applicable.

Hazard description

Physical and chemical hazards

	Combustible liquids in case of flame and high fever.

Health hazards

Inhaled	Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.
Ingestion	Accidental ingestion of the product may be harmful to the health of the individual.
Skin Contact	The product may cause an allergic skin reaction following direct contact with the skin. The product can cause skin irritation following direct contact with the skin.
Eye	The product can produce severe chemical burns to the eye following direct contact.

Environmental hazards

	Please refer to 12th chapter of SDS.

3 Composition/information on ingredients

Substance/mixture

	Substance

Component	CAS No.	EC No.	Concentration (wt, %)
Rose oil	90106-38-0 / 8007-01-0	616-902-8	100

4 First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water and consult a physician if feel uncomfortable.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Indi cation of any immediate medical attention and special treatment needed

1	Treat symptomatically.
5	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container.

2	Symptoms may be delayed.

5 Fire-fighting measures

7 Handling and storage

Pre cautions for safe handling

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.
4	Keep away from heat/sparks/open flames/ hot surfaces.

Co nditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

Control parameters

Occupational Exposure limit values	No relevant regulations

Biological limit values

Biological limit values	No relevant regulations

Monitoring methods

1	EN 14042 Workplace atmos p exposure to chemical and bi	heres. Guide for the application and use of procedures for the assessment of ological agents.
2	GBZ/T 300.1~GBZ/T 300.16 workplace air (Series standa	0-2017; GBZ/T 300.161~GBZ/T 300.164-2018 Determination of toxic substances in rd).

En gineering controls

1	Ensure adequate ventilation,	especially in confined areas.
2	Ensure that eyewash station	s and safety showers are close to the workstation location.
3	Use explosion-proof electric a	l/ventilating/lighting/equipment.
4	Set up emergency exit and n	ecessary risk-elimination area.

Personal protection equipme nt（Not applicable to consumption and use）

General requirement	
Eye protection	Must wear appropriate anti-corrosion goggles.
Hand protection	Must wear acid and alkali resistant chemical protective gloves.

Respiratory protection	Must wear appropriate personal respiratory protective equipment.
Skin and body protection	Must wear anti static chemical protective clothing and anti static shoes.

9 Physical and chemic a l properties and safety characteristics

Physical and chemical prope rties	
Appearance	Liquid
Odor	Characteristic fragrance
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	>35
Flash point(Closed cup,°C)	66
Evaporation rate	No information available
Flammability	Combustible
Upper/lower explosive limits[%(v/v)]	Upper limit：No information available；Lower limit：No information available
Vapor pressure	No information available
Vapor density(Air = 1)	No information available
Relative density(Water=1)	0.964
Solubility	Partly miscible with water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Viscosity	No information available

10 Stability and reactivity

Stability and reactivity	
Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	LD_{50}(oral)	LD_{50}(dermal)	LC_{50}(inhalation,4h)
Rose oil	2975mg/kg(Rat)	2500mg/kg(Rabbit)	No information available

| Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Rose oil	Not Listed	Not Listed

| Others

	Rose oil(Component)
Skin corrosion/irritation	Causes skin irritation(Category 2)
Serious eye damage/irritation	Causes serious eye damage(Category 1)
Skin sensitization	May cause an allergic skin reaction(Category 1)
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

| Acute aquatic toxicity

Acute aquatic toxicity	No information available

| Chronic aquatic toxicity

Chronic aquatic toxicity	No information available

| Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Rose oil	Low	Low

| Bioaccumulative potenti al

Component	Bioaccumulative potential	Comments
Rose oil	Medium	Log Kow=3.91

| Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Rose oil	Low	70.79

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Insufficient information, temporarily unable to evaluate

13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

Label and Mark

Transporting Label	

IMDG-CODE

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,LIQUID, N.O.S.
Transport hazard class	9
Transport subsidiary hazard class	None
Packing group	III
Special provisions	274 335 969
Limited quantities	5L
Excepted quantities	E1
Marine pollutant（Yes or no）	Yes
EmS No.	F-A,S-F

IATA-DGR

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,LIQUID, N.O.S.
Transport hazard class	9
Transport subsidiary hazard class	None
Packing group	III
Excepted quantities	E1
Passenger and Cargo Aircraft Limited Quantity Packing Instructions	Y964

Passenger and Cargo Aircraft Limited Quantity Maxium net Quantity per Package	30 kg G
Passenger and Cargo Aircraft Packing Instructions	964
Passenger and Cargo Aircraft Maxium net Quantity per Package	450 L
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Maxium net Quantity per Package	450 L
Special provisions	A97、A158、A 197
ERG code	9L

UN-ADR

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,LIQUID, N.O.S.
Transport hazard class	9
Transport subsidiary hazard class	None
Packing group	III
Special provisions	274|335|375|601
Limited quantities	5 L
Excepted quantities	E1
Packing instructions	P001|IBC03|LP01|R001
Special packing provisions	PP1
Mixed packing provisions	MP19
Protable tanks and bulk containers instructions	T4
Protable tanks and bulk containers special provisions	TP1|TP29
ADR tank code	LGBV
ADR tank special provisions	-
Vehicle for tank carriage	AT
Transport category(Tunnel restriction code)	3 (E)
Special provisions for carriage(Packages)	V12
Special provisions for carriage (Bulk)	-
Special provisions for carriage (Loading, unloading and handling)	CV13
Special provisions for carriage (Operation)	-

Hazard identification No.	90
Notes	-

15 Regulatory information

International chemical inventory

Component	EIN ECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Rose oil	×	√	√	√	√	√	√	√	×

[EINECS] European Inventory of Existing Commercial Chemical Substances
[TSCA] United States Toxic Substances Control Act Inventory
[DSL] Canadian Domestic Substances List
[IECSC] China Inventory of Existing Chemical Substances
[NZIoC] New Zealand Inventory of Chemicals
[PICCS] Philippines Inventory of Chemicals and Chemical Substances
[KECI] Korea Existing Chemicals Inventory
[AIIC] Australia. Inventory of Industrial Chemicals (AIIC) [ENCS] Japan Inventory of Existing & New Chemical Substances

Note:
"√" Indicates that the substance included in the regulations.
"×" No data or not inlcuded in the regulations.

16 Other information

Information on revision

Creation Date	2023/05/10
Revision Date	2023/05/10
Reason for revision	-

Reference

[1] IPCS: The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home。 [2] IARC, website: http://www.iarc.fr/。
[3] OECD: The Global Portal to Information on Chemical Substances, website: https://www.echemportal.org/echemportal/substancesearch/index.action。
[4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple。
[5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp。
[6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/。
[7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg。 [8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/。

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC50	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD50	Lethal Dose 50%	NTP	National Toxicology Program

EC50	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC_X	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
POW	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

Disclaimer

This Safety Data Sheet (SDS) was prepared according to OSHA HazCom Standard (2012). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.