SAFETY DATA SHEET

Version : GHS/SDS/04 ***Print Date: 11-Apr-2023***

Product Name : GINGER OIL CO2

SECTION 1: Identification of the substance/ mixture and of the Company / undertaking

1.1 Product Identifiers

Product Code	:	***UL1013974***
Product Name	:	***GINGER OIL CO2***
CAS No. (TSCA)	:	***8007-08-7***
EINECS	:	***283-634-2***

1.2 Relevant idetified uses of the substance or mixture and uses advided against

No further relevant information available

Application of the substance / preparation:

Fragrance and Flavour application.

1.3 Manufacturer / Supplier Details:

Ultra International Limited

64/1, Site-IV, Industrial Area, Sahibabad, Ghaziabad, U.P. (India)

Tel.: +91 120 4388500 Fax: +91 120 4374000

*Email: ultra@ultrainternational.com * www.ultrainterntional.com*

1.4 Information in case of emergency:

Mr. Prasenjit Mazumdar

Ph.: +91 9810008844

Email : ultra@ultrainternational.com

SECTION 2 : Hazard Idetification

2.1 GHS Classification of the substance / preparation

Flam. Liq. 4	H227: Combustible liquid
Skin Irrit. 2	H315: Causes skin irritation
Skin Sens. 1	H317: May cause an allergic skin reaction
Asp. Tox. 1	H304: May be fatal if swallowed and enters airways
Eye Irrit. 2A	H319: Causes serious eye irritation
Aquatic Acute 2	H401: Toxic to aquatic life
Aquatic Chronic 2	H411: Toxic to aquatic life with long-lasting effects

2.2 GHS Label Elements

GHS Signal Word

Danger

Hazard Pictograms

GHS07

GHS09 GHS08

Hazard Determining components of Labeling

alpha-Zingiberene; Camphene; Bisabolene; trans-trans-alpha-Farnesene

Hazard Statements

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
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Precautionary Statements

P103	Read label before use
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P302+350	IF ON SKIN Gently wash with soap and water
P305+351+338	IF IN EYES Rinse continuously with water for several minutes. Remove contact lenses if preser
P333+313	If skin irritation or a rash occurs Get medical advice/attention
P403+233+410	Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight
P501	Dispose of contents/container to (in accordance with local/ regional/ national/ international regul

2.3 Other Hazard

The mixture contains no 'Substance of very hig concern' (SVHC) as stiplateed by the Europen Chemicals Agency (ECHA) under Article 57 of the REACH Regulation 1907/2006/EC.

The mixture does not meet the criteria for PBT/vPvB mixturesin compliance with Annex XIII of REACH Regulation 1907/2006/EC.

No additional Hazard known if used properly.

SECTION 3: Composition / Information of Ingredients

3.1 General characterisation : Substance

TSCA CAS Number : 8007-08-7

EINECS CAS Number : 84696-15-1

Description : Zingiber officinale

EINECS Number : 283-634-2

3.2 Dangerous components :

alpha-Zingiberene(Cas No. 495-60-3)	:	Skin Sens. 1B;H317
Camphene(Cas No. 79-92-5)	:	Eye Irrit. 2B;H320|Aquatic Acute 1;H400|Aquatic Chronic 1;H410
Bisabolene(Cas No. 495-62-5)	:	Skin Irrit. 2;H315|Skin Sens. 1B;H317|Aquatic Acute 2;H401|Aquatic Chronic 2;H411|Acute Tox. 4 (Inhalation:dust,mist);H332
trans-trans-alpha-Farnesene(Cas No. 502-61-4)	:	Skin Irrit. 3;H316

3.4 Additional Informations :

If available, exposure limits are listed in Section 8

SECTION 4 : First AID Measures

4.1 Description of first aid measures

General information:

If health disorder happens, call for medical help immediately.

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: *Immediately wash with water and soap and rinse thoroughly.*

After eye contact: *Rinse opened eye for several minutes under running water.*

After swallowing: *Do not induce vomiting; call for medical help immediately.*

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5 : Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents: CO2, alcohol resistant foam, powder, water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO2)
Smoke and soot
Do not use water with full jet to prevend fire spreading.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Follow safety measures in chapter 7 and 8.
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Wipe up little amounts with absorbent material like cloth or pulp.
Water and cleansing agent
Absorb with incombustible liquid-binding material (sand, diatomite, universal binders).
Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections

Keep ignition source away, do not smoke and avoid flames.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid naked flames, sparking and sources of ignition.
Ensure that workrooms are adequately ventilated.

Hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.
Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container.
Temperatures between + 10 °C and + 40 °C
Keep container tightly sealed.
Keep container in a well ventilated place.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

No data available.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Use personal protective equipment depending on concentration and amount of hazardous substance.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

Respiratory protection:

Suitable respiratory protection: filter class A2 (brown colour).
Use the rules for application of respiratory protection systems.

Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.

Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The election of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

> 480 minutes at layerthickness of 0,425 millimeter (Sol-Vex 37-695/Ansell).
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR
E.g. following product: Sol-Vex (37-695) from Ansell.

As protection from splashes gloves made of the following materials are suitable: *PVC gloves*

Eye prot

Tightly sealed goggles according to EN 166:2001

SECTION 9: Physical and chemical properties

General Information		
Form	:	**Liquid**
Colour	:	**Pale yellow to greenish yellow**
Odour	:	**Charcteristic fresh, spicy odour**
Melting Point °C	:	**Not Determined**
Boiling Point ° C	:	**Not Determined**
Flash Point (Closed Cup) °C	:	**66°C**
Specific Gravity/Relative Density	:	**0.885 - 0.900 @25°C**
Refractive Index	:	**1.485 - 1.500 @20°C**
Optical Rotation	:	**Not Determined**
Vapour Density	:	**Not Determined**
Vapour Pressure	:	**Not Determined**
Solubility:		
Water	:	**Insoluble**
Alcohol	:	**Soluble**
Auto Ignition Temperature	:	**No Data Available**
Lower Explosion Limits	:	**No Data Available**
Upper Explosion Limits	:	**No Data Available**
pH value	:	**Not Determined**
Partition Coefficient	:	**Not Determined**
Granulometry	:	**Not Determined**
Oxidising Properties	:	**Not Determined**

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerus reactions known

10.2. Chemical stability

The product is chemically stable.

10.3 Thermal decomposition / conditions to be avoided:

No decomposition if used according t the specifications or under recommended conditions of use.

10.4 Possibility of hazardous reactions

Avoid important temperature changes and humid environments.
Product is not selfigniting; but in case of unpropitious storing conditions (air admission, heat accumulation) selfignition is possible for moistened solids (e.g. cloth, pulp, filter panels, binder).
May react violently with oxidising agents.

10. 5 Conditions to avoid *No further relevant information available.*

10.6 Incompatible materials: *No further relevant information available.*

10.7 Hazardous decomposition products:

No dangerous decomposition products expected by intended use.

SECTION 11: Toxicological information

11.1 Toxicological Information Acute

Oral	No Data Available
Inhalation	No Data Available
Skin	No Data Available

11.2 Skin Corrosion/skin irritation

No data available

11.3 Eye damage/ eye irritation

No data available

11.4 Respiratory or skin sensitisation

No data available

11.5 Germ cell mutagenicity

No data available

11.6 Carcinogeity

No data available

11.7 Toxicty for reproduction

No data available

11.8 Specific Target Organ Toxicity: Single exposure

No data available

11.9 Specific Target Organ Toxicity: Repeated exposure

No data available

11.10 Aspiration Hazard

No data available

11.11 Exposure Limits

No data available

Note : There is a blanket recommendation of 10 mg/m3 for inspirable dusts or mists when limits have not otherwise been established.

SECTION 12: Ecological information

12.1 Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains .

12.2 Persistence and degradability Not Determined

12.3 Mobility in Soil Not Determined

12.4 Results of PBT and vPvB assessment No Data Available

12.5 Other adverse effects Not Determined

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Product/packaging disposal

Handle in accordance with official provisions

Waste treatment options

Recycling is preferred to disposal or burning

Disposal conditions

Dispose of in accordance with all federal, state and local environmental regulations.

13.2 Recommendations:

Empty contaminated packing thoroughly as they may be recycled

SECTION 14: Transport information

14.1 Land Transport (ADR/RID/GGVSE)

UN Number	3082
DG Class	9
Packing Group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid.
Classification code	3Z

14.2 Sea Transport (IMDG-Code/GGVSE)

UN Number	3082
DG Class	9
Packing Group	III
Proper Shipping Name	Environmentally Hazardous Substance, Liquid.
Marine Pollutant	Yes

14.3 Air Transport (ICAO-TI/IATA-DGR)

UN Number	3082
DG Class	9
Packing Group	III

14.4 ADR/IMDG/IATA Labels:

14.5 Special precautions for users:

Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

Prevent entry into drains, ground/surface water or sewerage system.

14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

N/A

Other Information

Custom Tariff Code	3301.29.4100
EmS Code	--

SECTION 15: Regulatory information

15.1 EU regulations:

The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials.

15.2 Water Hazard Class (Germany) : --

15.3 Chemical safety Assessment : No data available

15.4 Other regulations, limitations and prohibitive regulations

EPA	No
TSCA	Yes
DSL	Yes
Preposition 65	No

Comply with the rules and regulations of skin protection.

SECTION 16: Other information

Abbreviations used:

EC	*European Commission*
EU	*European Union*
DG	*Dangerous Goods*
CAS	*Chemical Abstract Service*
EINECS	*European Inventory of Existing Commercial chemical Substances*
GHS	*Globally Harmonized System*
CMR	*Carcinogen, Mutagen, Reprotoxic*
PNEC	*Predicted No Effect Concentration*
EC50	*Effective Concentration 50 percent*
LC50	*Lethal Concentration 50 percent*
PBT	*Persistent Bioaccumulative and Toxic*
vPvB	*Very Persistent Very Bioaccumulative*
EWC	*European Waste Catalogue*
EmS	*Emergency Medical Services*
ADR	*Transport of Dangerous Goods by Road*
RID	*International Carriage of Dangerous Goods by Rail*
GGVSE	*German Regulation on the Transport of Dangerous Goods by Road and Rail*
MDG	*International Maritime Dangerous Goods*
ICAO-TI	*International Civil Aviation Organization-Technical Instructions*
IATA-DGR	*International Air Transport Association-Dangerous Goods Regulation*
WGK	*Wassergefährdungsklassen*
EPA	*Environmental Protection Agency*
TSCA	*Toxic Substance Control Act*

Relevant Phares

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H320	Causes eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H332	Harmful if inhaled
H316	Causes mild skin irritation

Recommended restriction of use : *For industrial application only.*

Quality Declaration

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution.