



SAFETY DATA SHEET

Sunrise Ocean

27th July 2021

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Complying with Regulation (EC) No 1272/2008 (CLP) as amended by Commission Regulation (EU) 2015/830.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: SunRise Ocean
CAS Number: Mixture
EC Number: Not applicable
REACH No: Not applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Antibacterial product for airconditioners
Uses advised against: Uses other than those described above.

1.3 Details of the supplier of the safety data sheet

Company Name: SunRise Avi Ltd.
Company Address: 14 Snunit
Alfe Menashe, 4485100, Israel
Company Tel: +972-39171160
Contact Name: Avi Stricher
E-mail address of person responsible for this SDS: avi@sun-rise.co.il

1.4 Emergency telephone number

Emergency telephone number (including hours of operation): +972-522249390

Poison Centre Information:

Romania	Phone number: +40213183606
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

Product name	GHS Classification
Sunrise Ocean	Flammable Liquid, Category 2

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)



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Hazard pictograms:



Signal word: DANGER

Hazard statements: H225 - Highly flammable liquid and vapour

Precautionary Statements: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378 - In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P403+P235 - Store in a well ventilated place. Keep cool.

Supplemental Hazard Statements: None known

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances :
Not applicable.

3.2 Mixture :

Product/ Ingredient name	Identifiers	%	Classification 1272/2008/EC	M Factor	Specific conc'n limits (SCL)	Acute toxicity estimate (ATE)
Ethanol	CAS No 64-17-5 EC No 200-578-6 REACH No 01-2119457610- 43-XXXX	70 – 90%	Flam Liq 2, H225	1	No SCL in Annex VI	No ATE in Annex VI

This product also contains the following components that are not classified as hazardous under the CLP regulations, or have exposure limits in section 8, and therefore do not require reporting in this section: Fragrances, Quaternary Ammonium Compounds.



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Occupational exposure limits, if available, are listed in section 8.
See section 16 for the full text of the EUH, H and P phrases declared above.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: In case of eye contact, rinse with plenty of water for at least 15 minutes. If irritation from exposure to vapour develops, move to fresh air. Get medical attention if symptoms develop.

Skin contact: Remove contaminated clothing. Wash with water and soap and rinse thoroughly. Seek medical advice if irritation or pain develops.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Seek medical advice.

Ingestion: Do NOT induce vomiting. Get medical attention immediately. If spontaneous vomiting occurs, Keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

May cause Irritation, Vertigo, Abdominal pain, Vomiting, Nausea, Narcosis, Breathing difficulties.

4.3 Indication of any immediate medical attention and special treatment needed

If any symptoms are observed, contact a physician and give them this SDS sheet. Provide general supportive measures and treat symptomatically. Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid. Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Vapors will spread along ground and collect in low or confined areas. Containers may explode when heated. Vapours may form explosive mixtures with air. Runoff to sewer may create fire or explosion hazard.

Hazardous combustion products:

Carbon monoxide, Carbon dioxide, irritating and toxic gases.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Keep out of drains, surface waters and soil against pollution.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.

For emergency responders

Keep unauthorized people away and upwind. Remove ignition sources in immediate area. All equipment used when handling the product must be grounded. Ventilate enclosed spaces before entering. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable protective equipment

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Stop the flow of material, if safe to do so. Soak up with inert absorbent material, such as vermiculite, dry sand or earth, and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See Section 1 for emergency contact information.

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

Keep out of the reach of children. Do not mix or contaminate with any other chemical. Do not get in eyes, on skin or on clothing. Do not breathe vapours or mists. Do not eat, drink or smoke while using this product. Use good personal hygiene practices and wear appropriate protective equipment (see section 8).

7.2 Conditions for safe storage, including any incompatibilities

Segregate from other hazard classes and store in a cool, dry, well ventilated area, away from sources of ignition and incompatibilities. Avoid storing in direct sunlight or near other heat sources; eliminate all sources of ignition. Provide secondary containment for toxic materials. Bond and ground metal containers when transferring. Protect containers against banging or other physical damage when storing, transferring, or using them.

Keep away from incompatible materials. See Section 10.5 for Incompatible Materials. Keep containers securely sealed when not in use. Store flammable and combustible liquids in areas that are cool, dry and well ventilated to reduce vapour concentrations. Empty containers retain residue and may be dangerous..

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values:



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Ingredient name	CAS Number	Occupational exposure limits	Source
Ethanol	64-17-5	Short-term value: 5000 ppm; 9500 mg/m ³ Long-term value: 1000 ppm; 1900 mg/m ³	Romania - Occupational Exposure Limits – STEL and TWA

Monitoring procedures: Use methods described in European Standards.

Derived No Effect Level (DNEL):

Ethanol

Application Area	Exposure routes	Health Effect	Value
Workers	Inhalation	Long-term systemic effects	950 mg/m ³
Workers	Dermal	Long-term systemic effects	343 mg/kg bw/day
General population	Inhalation	Long-term systemic effects	114 mg/m ³
General population	Dermal	Long-term systemic effects	206 mg/kg bw/day
General population	Oral	Long-term systemic effects	87 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

Ethanol

Compartment	Value
Fresh water	0.96 mg/L
Marine water	0.79 mg/L
Sewage treatment plant	580 mg/L
Fresh water sediment	3.6 mg/kg sediment dw
Marine sediment	2.9 mg/kg sediment dw
Soil	0.63 mg/kg soil dw
Secondary poisoning - predators	0.38 g/kg food

8.2 Exposure controls

Appropriate Engineering Measures

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

If exposure limits have not been established, maintain airborne levels to an acceptable level.

Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Concentrations should be monitored hazardous substances in the workplace in accordance with recognized test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

Individual protection measures, such as personal protective equipment:

Eye and face protection: Wear indirect-vent, impact and splash resistant goggles when working with liquids.

Skin protection:

Hand protection: Wear butyl rubber or nitrile gloves. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.



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Other skin protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wash hands after use.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a chemical respirator with organic vapor cartridge and full facepiece. Use respirators and components tested and approved under appropriate government standards such as NIOSH or MSHA-approved respiratory protection.

Thermal hazards: None known.

Environmental exposure controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
pH at 20°C:	Not determined
Melting point/Freezing point:	Not determined
Initial boiling point/boiling range:	88 °C
Flash point:	< 25 °C (Closed Cup)
Evaporation rate:	Not determined
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	
Flammability limit – lower (%):	Not determined
Flammability limit – upper (%):	Not determined
Vapour pressure:	Not determined
Vapour density (air=1):	Not determined
Relative Density:	Not determined
Solubility(ies):	Not determined
Partition coefficient Octanol/Water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity at 20°C:	Not determined
Explosive properties:	Product does not present an explosion hazard.
Oxidising properties:	Not oxidizing.

9.2 Other information: None determined

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions anticipated under normal storage and handling conditions.

10.2 Chemical stability

Stable under normal ambient and anticipated conditions of use.

10.3 Possibility of hazardous reactions

None expected



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10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid high temperatures. Contact with incompatible materials.

10.5 Incompatible materials

Materials to avoid include; Strong acids, Strong bases, Strong oxidisers.

10.6 Hazardous Decomposition products:

Carbon monoxide, Carbon dioxide, irritating and toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Product/ingredient name	Test	Species	Dose
Ethanol	LD50 Oral LD50 Dermal LC50 Inhalation	Rat Rabbit Rat	7060 mg/kg No data available 124.7 mg/L 4 h

Skin corrosion/irritation: May cause skin irritation.

Serious eye damage/eye irritation: May cause eye irritation.

Respiratory or skin sensitization: Not expected to cause skin sensitization or an allergic reaction. Not expected to cause respiratory sensitisation.

Germ cell mutagenicity: This product is not suspected of causing genetic defects.

Carcinogenicity: This product is not suspected of causing cancer.

Reproductive toxicity: This product is not expected to cause reproductive toxicity.

STOT – Single exposure: This product is not expected to cause specific target organ toxicity after single exposure.

STOT – Repeat exposure: This product is not expected to cause specific target organ toxicity after repeated exposure.

Aspiration hazard: Not expected to cause an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Substance name	Toxicity to fish / other aquatic invertebrates
Ethanol	Fish - LC50 <i>Oncorhynchus mykiss</i> 12 - 16 mg/L - 96 h Invertebrates - EC50 <i>Daphnia magna</i> 2 mg/L - 48 h



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12.2 Persistence and Degradability:

No data available for this product

12.3 Bioaccumulative potential:

No data available for this product.

12.4 Mobility in soil:

No data available for this product

12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects:

None known.

12.7 Additional information:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Product

Do not allow product to reach sewage system.

Dispose of waste materials in accordance with applicable local and national laws and regulations.

Where possible, recycling is preferred to disposal or incineration. Contact the proper local authorities.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is emptied.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

International transport regulations

14.1 UN number:

ADR/RID: UN 1170

IMDG: UN 1170

IATA: UN 1170

14.2 Proper shipping name:

ADR/RID: ETHANOL SOLUTION

IMDG: ETHANOL SOLUTION

IATA: Ethanol solution

14.3 Transport hazard class(es)

ADR/RID: 3

IMDG: 3

IATA: 3

14.4 Packing group

ADR/RID: II

IMDG: II

IATA: II

14.5 Environmental hazard

Marine Pollutant: No



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14.6 Special precautions for user

No data available

14.7 Transport to bulk according to Annex II of MARPOL and the IBC Code

Not applicable

Section 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of:

EU Commission Regulation (EU) 2015/830 (Reach)

EU Regulation (EC) No 1272/2008 (CLP)

EINECS: All components in this product are listed on the European Inventory of Existing Chemical Substance

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out on this product.

Section 16: OTHER INFORMATION

Full text of H & P-Statements referred to under sections 2 and 3.

Flam Liq	Flammable liquid
H225	Highly flammable liquid and vapour
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P235	Keep cool.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/ lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container to a suitable disposal site in accordance with local/regional/national/international regulations

Training advice: Before using/handling the product one must read carefully present SDS.

Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
CLP:	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL:	Derived No Effect Level
EC50:	Half maximal effective concentration



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EINECS:	European Inventory of Existing Commercial Chemical Substances
EU:	European Union
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
IATA:	International Air Transport Association
IBC:	International Bulk Code
IMDG:	International Maritime Code for Dangerous Goods
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
MARPOL:	International Convention for the Prevention of Pollution from Ships
PBT:	Persistent, Bioaccumulative and Toxic
PEL:	Permissible Exposure Limit
PNEC:	Predicted No Effect Level
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
SCBA:	Self Contained Breathing Apparatus
SCL:	Specific Concentration Limits
STEL:	Short Term Exposure Limit
TWA:	Time Weighted Average
UN:	United Nations
VPvB:	Very Persistent and very Bioaccumulative

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