

### Section 1 - IDENTIFICATION OF THE SUBSTANCE /MIXTURE AND OF THE COMPANY

#### 1.1 Product identifier :

- **Product Name :** ACTIVE V-SRD™

#### 1.2 Relevant identified uses of the substances or mixture and used advised against

- **Recommended use :** Disinfectant
- **Recommended restrictions :** For professional use only

#### 1.3 Details of supplier of the safety data sheet :

- **Manufacturer Details:** ZOHAR DALIA C.A.A. Ltd.,  
Kibbutz Dalia 1923900, Israel  
Tel.: +972-4-9897234  
Fax: 972-4-9897200

#### 1.4 Emergency telephone number :

- **Emergency Telephone & Contact:** Tel: +972-4-9897515

### Section 2 - HAZARDS IDENTIFICATION

#### 2.1 Classification of substance or mixture according to Regulation (EC) No 1272/2008 (CLP)

Human health hazard categories and codes:	Flammable liquid	Category 3
	Eye Damage	Category 1
	Skin Irritation	Category 2
	Skin sensitization	Category 1
	Aquatic Chronic	Category 3

#### 2.2 Labeling according to Regulation (EC) No 1272/2008 (CLP)

**SIGNAL WORD: Danger**

- **Hazard Pictogram :**



GHS02  
Flame



GHS05  
Corrosion



GHS07  
Exclamation mark

- **Hazard Statements :**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

- **Precautionary Statements :**

easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor if you feel unwell.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

### 2.3. Other hazards

Not known

## Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Constituent	CAS No.	EC No.	Concentration range	Classification according to Regulation (EC) No 1272/2008 (CLP)	Remarks
Butan-1-ol	71-36-3	200-751-6	10-25%	Flam. Liquid 3; H226 Acute tox.4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336	None
Ethanol	64-17-5	200-578-6	5-15%	Flam. Liquid 2; H225 Eye Irrit. 2; H319	Eye Irrit. 2; : C ≥ 50 %
Orange terpenes	8028-48-6	232-433-8	5-15%	Flam. Liquid 3; H226 Asp. Tox.4; H304 Skin Irrit. 2; H315 Skin Sens.1; H317 Aquatic chronic 2;H411	None
Hydrogen peroxide	7722-84-1	231-765-0	1-5%	Ox. Liq. 1; H271 Skin Corr. 1A; H314 Eye Dam. 1; H318 Acute Tox. 4; H302 Acute Tox. 4; H332 STOT SE 3; H335 Aquatic Chronic 3; H412	Eye Irrit. 2; H319: 5 % ≤ C < 8 % Skin Irrit. 2; H315; 35 % ≤ C < 50 % STOT SE 3; H335; C ≥ 35 % Aquatic Chronic 3; H412: C ≥ 63 %

## Section 4 - FIRST AID MEASURES

### 4.1 Description of First Aid measures:

- General measures :**

Take off all contaminated clothing immediately. In the case of accident or if you feel unwell, seek medical advice immediately.

- Eye contact :**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist. Wash off immediately with plenty of water for at least 15 minutes.

- Skin Contact :**

Take off all contaminated clothing immediately. Consult a physician if symptoms persist..

- Inhalation :**

Remove from exposure, lie down. Consult a physician in case of complaints..

- Ingestion :**

If swallowed, rinse mouth with water (only if the person is conscious). Consult a physician.

### 4.2. Most important symptoms and effects, both acute and delayed

- In all cases of doubt, or when symptoms persist, seek medical advice.

### 4.3. Indication of any immediate medical attention and special treatment needed

- Advice to physician: symptomatic treatment is advised. Eye rinsing device shall be made available at any point of handling of the product.

## Section 5 - FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media:

**Suitable extinguishing media:** Water spray, Chemical powder, Foam, Carbon dioxide (CO<sub>2</sub>) & sand.

**Unsuitable extinguishing media:** High pressure water jet

### 5.2. Special hazards arising from the substance or mixture:

Gives off irritating or toxic fumes in a fire.  
Avoid inhaling the fumes.

### 5.3. Advice for fire-fighters

- Use firefighting water moderately and contain it.
- Use water spray to cool tanks/containers exposed to heat / remove them into safety.
- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• <b>Personal Protective Equipment :</b></li> <li>• <b>Eye Protection :</b></li> <li>• <b>Skin Protection :</b></li> <li>• <b>Respiratory Protection :</b></li> <li>• <b>Work Practices :</b></li> </ul> | <p>Isolate area. Keep unnecessary personnel away.<br/>Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.</p> <p>Face shield and safety glasses. (as mentioned in section 8.2)</p> <p>Avoid contact with eyes by use of protective equipment (as mentioned in section 8.2)</p> <p>Wear personal protective equipment. (as mentioned in section 8.2)</p> <p>Wear eye/face protection.</p> |
|---|---|

### 6.2. Environmental precautions:

- Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system.
- If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3. Methods and material for containment and cleaning:

- Collect as much as possible by any mechanical mean in a clean container for (preferably) reuse or disposal in accordance with local regulations.
- Absorb and contain spill with inert material (sand, earth etc.) and transfer to containers for disposal in accordance with local regulations.

## Section 7 - HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

- Keep away from sources of heat or sources of ignition.
- Protect material from direct sunlight.
- Observe strict hygiene - avoid eye and skin contact.
- Avoid splashing of material.
- Safety showers should be readily available in handling and storage areas.
- Eye wash fountains should be located in the work areas and should be immediately accessible for emergency use.
- Remove contaminated clothing immediately.
- Use only equipment and materials which are compatible with the product.

#### 7.2 Conditions for safe storage:

- Store in original container.
- Keep in a cool, well-ventilated place.
- Keep in a dry place.
- Keep in properly labelled containers.
- Keep container tightly closed.
- Keep away from incompatible products.

#### 7.3 Specific end use(s):

- As prescribed in section 1.2

### Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Ethanol  
TLV Short-term value: 1000 ppm  
N-butanol  
STEL 50 ppm

#### 8.2 Exposure Control:

- |                                  |   |
|----------------------------------|---|
| • <b>Engineering measures:</b>   | Ensure adequate ventilation, especially in confined areas.  |
| • <b>Respiratory Protection:</b> | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| • <b>Hand Protection:</b>        | Splash contact, intermittent and prolonged PVC gloves   |
| • <b>Eye protection:</b>         | Wear chemical goggles with face-shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). |
| • <b>Skin protection:</b>        | Wear suitable protective clothing. Use impervious gloves.   |
| • <b>Protective measures :</b>   | Wear suitable gloves and eye/face protection. Avoid contact with the skin and the eyes. General industrial hygiene practice.  |

### Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

#### 9.1 Information on basic physical and chemical properties:

• Appearance :	Clear liquid
• Odour :	Characteristic
• Odour threshold :	N.A.
• pH (1% in water) :	5
• Melting point/Freezing point :	N.A.
• Initial boiling point and boiling range :	N.A.
• Flash point :	30°C
• Evaporation rate :	N.A.
• Flammability :	N.A.
• Upper/lower flammability or explosive limits :	N.A.
• Vapour pressure :	N.A.
• Vapour density :	N.A.
• Relative density :	N.A.
• Solubility(ies) :	N.A.
• Partition coefficient: n-octanol/water :	N.A.
• Auto-Ignition Temperature :	N.A.
• Decomposition temperature :	N.A.
• Viscosity :	N.A.
• Explosive properties :	No
• Oxidizing properties :	No

**9.2 Other information :** None

## Section 10 - STABILITY AND REACTIVITY

<b>Reactivity :</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical stability :</b>	Stable under recommended storage and handling conditions.
<b>Possibility of hazardous reactions :</b>	None if stored and handled properly.
<b>Conditions to avoid :</b>	Avoid heat and sources of ignition.
<b>Hazardous decomposition products :</b>	No decomposition if used according to specifications.
<b>Incompatible materials :</b>	Oxidizing and reducing agents.

## Section 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

- 64-17-5 Ethanol  
Oral LD50= 7060 mg/kg (rat)
- 71-36-3 Butan-1-ol  
Oral LD50=2290 mg/kg (rat)

### 11.2 Irritation Corrosion:

- **Eye:** The product causes serious eye damage
- **Skin :** The product causes skin irritation.

### 11.3 Sensitization

- The product may be sensitizing to skin.

### 11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **Carcinogenicity** : Not classified as carcinogen.
- **Mutagenic effects** : Not classified as a mutagen.
- **Reprotoxic effects** : Not found to be reprotoxic.

### 11.5 Other toxic effects on humans:

- **Inhalation** : No data available
- **Dermal** : No data available
- **Eyes** : No data available
- **Ingestion** : No data available
- **Chronic toxicity** : No data available

### 11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):

- No information available

### 11.7 Specific target organ toxicity:

- **Single exposure** : No experimental or epidemiological sufficient evidence for specific target organ toxicity
- **Repeated exposure** : No experimental or epidemiological sufficient evidence for specific target organ toxicity

## Section 12 - ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

- 71-36-3 Butan-1-ol  
LC 50 (fish)=1376 mg/l
- 8028-48-6 Orange terpenes  
LC50 (fish and daphnia) = 0.1 to 1 mg/l

### 12.2 Persistence and degradability:

- Data not available.

### 12.3 Bioaccumulative potential:

- Product is not B/vB

### 12.4 Mobility in soil:

- Data not available

### 12.5 Results of PBT and vPvB assessment:

- Not PBT and vPvB

### 12.6 Other adverse effects:

- None

## Section 13 - DISPOSAL CONSIDERATIONS:

Dispose in accordance with all applicable regulations.

All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

- **Disposal of product :** Dilute with water. Do not allow product to reach sewage system.  
Recover waste water for processing later.
- **Disposal of packaging:** Clean container with water. Recover waste water for processing later.  
Dispose of according to local authority regulations.

## Section 14 - TRANSPORT INFORMATION:

Classified as dangerous in the meaning of transport regulations due to its composition.

### Land transport (ADR/RID):

- **UN Number:** UN1993
- **UN proper shipping name:** Flammable Liquids N.O.S (ETHANOL,BUTAN-1-OL)
- **Transport hazard class:** 3 Flammable liquids
- **Label:** 3
- **Packing group:** III
- **Environmental hazards:** Prevent disposal into the drains

### Marine transport (IMDG):

- **UN Number:** UN1993
- **UN proper shipping name:** Flammable Liquids N.O.S (ETHANOL,BUTAN-1-OL)
- **Transport hazard class:** 3 Flammable liquids
- **Label:** 3
- **Packing group:** III
- **EmS number:** F-E,S-E
- **Marine pollutant :** No

### Air transport ICAO/IATA

- **UN Number:** UN1993
- **UN proper shipping name:** Flammable Liquids N.O.S (ETHANOL,BUTAN-1-OL)
- **Transport hazard class:** 3 Flammable liquids
- **Label:** 3
- **Packing group:** III

## **Section 15 - REGULATORY INFORMATION**

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

EU Regulations:

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP

### **15.2 Chemical Safety Assessment:**

- A chemical safety assessment has not been carried out.

## **Section 16 – OTHER INFORMATION**

### **Classification procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008[CLP]:**

The classification of the mixture is based on calculation methods using substance data.

- **Relevant phrases:**

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H271 May cause fire or explosion; strong oxidiser.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized 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)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

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