

**Section 1: Chemical Product and Company Identification**

Trade name: Dino ULTRA®
Product type and use: Breaking Dormancy Mix
Supplier: Tarsis Ltd.

Emergency telephone number of the company and/or of an authorised advisory centre: Tarsis Ltd
Tel. +972-3-9243618 Fax. +972-3-9223785

Contact Person: Mr. Shevah Tenzer

Section 2: Composition and Information of Ingredients**Composition: (COMMERCIALY CONFIDENTIAL)**

Name	CAS #	% by Weight
Oil 6N	64741-89-5	70-85
Iso Butyl Alcohol	78-83-1	<8
Alronol 2030	N/A	5-12
Alronol 2501	N/A	
NMP	872-50-4	1-4
Meptyldinocap	131-72-6	<2
Solgad100	N/A	1
Thidiazuron tech.	51707-55-2	<0.05

Please contact us if more data necessary.

Section 3: Hazards Identification**Dangerous substance.**

Classifications according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Flammable liquids.

Classification according to Directive 67/548/EEC:



Xi: Irritant



N: Dangerous for the environment



R Phrase(s):	R 10:	Flammable
	R36/37/38:	Irritating to eyes, respiratory system and skin
	R41:	Risk of serious damage to eyes
	R50/53:	Very toxic to aquatic organisms
	R61:	May cause harm to the unborn child
S Phrase(s)	S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S39:	Wear eye/face protection
	S61:	Avoid release to the environment. Refer to special instructions / safety data sheets. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Extinguishing media**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

**Section 6: Accidental Release Measures****Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

Environmental precautions

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

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

Not Available

Section 8: Exposure Controls/Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye/face protection**

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

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

Physical state and appearance: Viscous clear liquid

Odor: Specific weak odor.

Molecular Weight: Not available.

pH: 6-8.

Initial Boiling Point: >300°.

Flash Point: >200°.

Density at 15°: 0.850 g/cm³.

Volatility: Not applicable.

Solubility:

Insoluble in water

Section 10: Stability and Reactivity Data

Reactivity

no data available

Chemical stability

Stable

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong oxidizing agents, Strong Acid and Bases, Acid chlorides, Acid anhydrides Strong oxidizing agents, Acid chlorides, Acid anhydrides

Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

Section 11: Toxicological Information

(based on mix components data)

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals (based on similar substance): Acute oral toxicity (LD₅₀rat) : >20,000 mg/kg - calculated.

Chronic Effects on Humans: N/A

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant), eye contact (irritant).

Special Remarks on Toxicity to Animals: N/A.

Special Remarks on Chronic Effects on Humans: N/A

Special Remarks on other Toxic Effects on Humans: N/A.

Section 12: Ecological Information

(based on mix components data - calculated)

Ecotoxicity:

Fish toxicity	LC ₅₀ 96 h <i>Brachydanio rerio</i>	10 – 100 mg/L (calculated)
<i>Daphnia</i> toxicity	EC ₅₀ 48 h <i>Daphnia magna</i>	1.0 – 10 mg/L (calculated)
Algal toxicity	EC ₅₀ 72 h <i>Scenedesmus subspicatus</i>	1.0 – 10 mg/L (calculated)

BOD5 and COD: Not available.

Products of Biodegradation:

Readily Biodegradable.

Special Remarks on the Products of Biodegradation: Not available.

**Section 13: Disposal Considerations**

Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquids (n.o.s.).
Identification by Active Material: PG III
Special Provisions for Transport: N/A.

Section 15: Other Regulatory Information by Active Material**ISRAELI Regulations:**

Israeli Regulations – Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations (Hazardous Industrial Plants), 1993, Transport Services Law, 1997, Licensing of Businesses Regulations (Oil Storage), 1976.

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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