

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 Article 31

Printing date: 06/04/2016

Version No: 1.0

Revision date: 06/04/2016

Trade name: **AgriGibb 4 SL**

1. Identification of the substance/preparation and of the company/undertaking

- **1.1 Product identifier**
- Trade name: **AgriGibb 4 SL**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No uses advised against.
Identified uses: *Plant protection product*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer:** Dr. Meron Industries
3 Josef Levi St. Haifa Bay
Haifa , ISRAEL 2629103
Tel. +972-4-8721464
- **Supplier:**
- AGRICA, CTS
4 Haharash St, Hod-Hasharon 45240
P.O.Box 10 Tel-Aviv, Israel
- **Further information obtainable from:**
- Tel: +972-9-7626257
- Email: DoronB@cts.co.il
- **1.4 Emergency telephone number:**
- Tel: +972-9-7626333
- www.agrica.co.il

2. Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- Flam. Liq. 2
- Eye Irrit. 2
- STOT SE 3
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**



- **Signal word** *Danger*
- H225 *Highly flammable liquid and vapour.*
- H319 *Causes serious eye irritation.*
- H336 *May cause drowsiness or dizziness.*
- **Precautionary statements**
- P210 *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
- P261 *Avoid breathing vapours.*

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- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **Information concerning particular hazards for human and environment:** None
- **Classification system:**
- **NFPA-Ratings for the USA:** None
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition/information on ingredients

3.2 Mixtures

- **Description:** Mixture: consisting of the following components:

CAS No.: 67-63-0 EC No.: 200-661-7	Isopropyl Alcohol (2-Propanol) Flammable liquids (Category 2), H225 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336	 	<100%
CAS No.: 77-06-5 EC No.: 201-001-0	Gibberellic acid Eye irritation (Category 2), H319		<5%

- **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

4. First-aid measures

4.1 Description of first aid measures

- **General information:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

After inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

After eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

After swallowing: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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.

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5. Fire-fighting measures

- 5.1 Extinguishing media

Water spray (fog), dry chemical foam, CO₂. Water stream may splash the burning liquid and spread fire.

-5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x).

-5.3 Advice for firefighters.

Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapor.

Hazardous decomposition products formed under fire conditions - carbon oxides, nitrogen oxides.

6. Accidental release measures

- 6.1 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 sect.8.

- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

-Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

- 6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

- 7.1 Precautions for safe handling

- Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

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

- For precautions see section 2.2.

7.2 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.

Handle and store under inert gas. hygroscopic.

Information about storage in one common storage facility: No further relevant information available.

Further information about storage conditions: No further relevant information available.

- **7.3 Specific end use(s)** Plant protection product.

- **Additional information about design of technical facilities:** no other specific uses are stipulated.

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8. Exposure controls/personal protection

- 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

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The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information:

Ventilation must be sufficient.

- DNELs / DMELs For Ingredients:

- For workers:

Undetermined.

- PNECs

Undetermined.

- 8.2 Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working. Wash hands before breaks and at the end of work.

- Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.



Respiratory filter

- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

Rubber gloves

Neoprene 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. 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

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Protective glasses

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Tightly sealed goggles

-Body protection:



Protective clothing

-Protective work clothing:



Boots

9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties:

- General Information

- Appearance:

Form: Liquid.

Colour: Colourless.

- Odour: Alcohol-like.

- Odour threshold: Not determined.

- pH-value at 25 °C: Not determined.

- Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- Flash point: Undetermined.

- Flammability (solid, gaseous): Not determined.

- Ignition temperature: Not applicable.

- Decomposition temperature: Not determined.

- Self-igniting: Not determined.

- Danger of explosion: Not determined.

- Explosion limits: Not applicable

- Lower: Not determined.

- Upper: Not determined.

- Vapour pressure: Not applicable.

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- Density:	Not determined.
- Relative density	Not determined.
- Vapour density	Not applicable.
- Evaporation rate	Not applicable.
- Solubility in / Miscibility with water:	Completely soluble.
- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	Not determined.
- Dynamic:	Not determined.
- Kinematic:	Not determined.
- Solvent content:	
Organic solvents:	Not applicable.
Solids content:	Not determined.
- 9.2 Other information	No further relevant information available.

10. Stability and reactivity

- **10.1 Reactivity** Not reactive under normal conditions of use and storage
- **10.2 Chemical stability** No decomposition if used according to specifications
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
No data available.
- **10.4 Conditions to avoid**
- Heat, flames and sparks. Extremes of temperature and direct sunlight.
- **10.5 Incompatible materials**
- Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids.
- **10.6 Hazardous decomposition products:**
- Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).

11. Toxicological information

- **11.1 Information on toxicological effects**
- Acute oral toxicity – LD50: 2500 mg/kg, Rat , GHS Category 5 (OECD 423)
- Acute inhalation toxicity – LC50: >5.193 mg/l air 4hr, Rat, GHS Category 5 (OECD 403)
- Acute dermal toxicity – LD50: >2000 mg/kg, Rat, GHS Category 5 or Not classified (OECD 402)
- Skin corrosion/Irritation - No skin irritation , Rabbit (OECD 404)
- Serious eye damage/eye irritation – GHS Category 2 , Rabbit (OECD 405)
- Respiratory or skin sensitisation – GHS Category 1, Guinea pig (OECD 406)
- Germ cell mutagenicity - Not determined.
- Genotoxicity in vitro - Not determined.
- Genotoxicity in vivo - Not determined.
- Carcinogenicity - Not determined.

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- Reproductive toxicity - Not determined.
- STOT - single exposure - Not determined.
- STOT - repeated exposure - Not determined.
- **Additional toxicological information:** - None.

12. Ecological information

- 12.1 Toxicity

Isopropyl Alcohol

- Toxicity to fish: LC50 - *Pimephales promelas* (fathead minnow) - 9.640,00 mg/l - 96 h.
- Toxicity to daphnia and other aquatic invertebrate: EC50 - *Daphnia magna* (Water flea) - 5.102,00 mg/l - 24 h
- Immobilization: EC50 - *Daphnia magna* (Water flea) - 6.851 mg/l - 24 h.
- Toxicity to algae: EC50 - *Desmodesmus subspicatus* (green algae) - > 2.000,00 mg/l - 72 h.
EC50 - Algae - > 1.000,00 mg/l - 24 h

Gibberellic acid

- Toxicity to fish: LC50 - *Oncorhynchus mykiss* (rainbow trout) - > 150 mg/l - 96 h.

- 12.2 Persistence and degradability

- No further relevant information available.

- 12.3 Bioaccumulative potential

- No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- Additional ecological information:

- General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

· Recommendation

Chemicals must be disposed of in compliance with the respective national regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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14. Transport information

- 14.1 UN-Number

- DOT, ADR, ADN, IMDG, IATA

1219

- 14.2 UN proper shipping name

- ADR, ADN, IMDG, IATA

Isopropyl Alcohol (2-Propanol)

- DOT

Isopropyl Alcohol (2-Propanol)

- 14.3 Transport hazard class(es)

- ADR, ADN, IMDG, IATA

- Class

3

- 14.4 Packing group

- ADR, ADN, IMDG, IATA

II

15. Regulatory information

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

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**

- **Labelling according to Regulation (EC) No 1272/2008**



- **Signal word** *Danger*

- **Hazard statements**

- H225 *Highly flammable liquid and vapour.*

- H319 *Causes serious eye irritation.*

- H336 *May cause drowsiness or dizziness.*

- **Precautionary statements**

- P210 *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*

- P261 *Avoid breathing vapours.*

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

- **Information concerning particular hazards for human and environment:** The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

- **NFPA-Ratings for the USA** None.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

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- **PBT:** Not applicable.
- **vPvB:** Not applicable.

Seveso II Directive

This product is not controlled under the Seveso II Directive.

16. Other information

- Relevant statements

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

- Further information obtainable from:

- Tel: +972-9-7626257
- Email: DoronB@cts.co.il

- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation

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) NFPA: National Fire Protection Association (USA)

DNEL: Derived No-Effect Level (REACH)

Disclaimer:

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk

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assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.