

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

GENO GIBB 20 SL

Date of Preparation	27/11/2015
Date of Issue	27/11/2015
MSDS No	FORM_MSDS_R&D_272_00
Renewal Date/No	

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PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

1. MATERIAL/PREPARATION AND COMPANY/OWNER IDENTIFICATION:

1.1 Material/Preparation Identification:

Product Name : **GENO-GIBB 20 SL**
Product Content : GIBBERELIC ACID 20 G/L
Formulation Form : SL (WATER-SOLUBLE CONCENTRATE)

Cas No : 77-06-5
IRAC : -

1.2 Usage of the Material/Preparation:

PGR (PLANT GROWTH RAGULATOR)

1.3 Company Identification:

Manufacturing and License Holding Company:

Company Name : AGRI SCIENCES TARIM VE ILAC UR. SAN. TIC. LTD. STI.
Address : Bekir Saydam Caddesi Pancar No: 31 Torbali / IZMIR
Telephone : +90 0232 864 13 33
Fax : +900232 864 16 79

1.4 Emergency Contact Telephone:

In case of an emergency please call +90 0232 864 13 33.

2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Gibberellic Acid	20	77-06-5	-	-	-	-
Diethylene Glikol	>750	111-46-6	203-872-2	Xn	R22	Xn; R22
Diğerleri*	-					

- ¹ R explanations are under section 16.

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3. HAZARD IDENTIFICATION:



Xn: Harmful

R22: Harmful if swallowed

4. FIRST AID MEASURES:

Symptoms of Poisoning: There are not any specific symptom. General symptoms are; initially nausea, vomiting, stomachache and diarrhea. It can cause to skin and eye irritation when contacted with drug.

First Aid Measures: If it is contacted with eye, flush eyelids slowly for 10 - 15 minutes. If necessary, consult to a doctor with medication. If the patient swallowed, vomiting the patient. stomach should be washed, by paying attention to not to escape the stomach contents into the respiratory tract.

5. FIRE FIGHTING MEASURES

Appropriate Extinguisher Materials: The product is not flammable. The extinguishing precautions must be taken for environment flames.

Protective equipment in firefighting: Use air-independent respiratory mask during fire if possible. Wear protective gloves.

Other Details: Get cool the containers, possible to cause harm, with sprayed water.

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6. ACCIDENTAL RELEASE MEASURES:

General Information: Please use the personal protection equipment defined under Section 8.

Personal Precautions: Do not touch spilled product or contaminated surfaces. Do not eat, drink or smoke while handling spilled product.

Clean-up Methods: The poured material is collected with a liquid catcher material (for instance; sucking sand, sawdust, chemical binder). Place the product into tight plastic containers and keep safely until it is disposed. Contaminated materials and surfaces should be cleaned in compliance with environmental regulations.

Additional Precautions: Refer to Section 7 for safe handling instructions. Refer to Section 8 for personal protections equipment. Refer to Section 13 for disposal.

7. HANDLING AND STORAGE

Handling : Please use the personal protection equipment specified under Section 8. Do not eat or drink while using. Prevent the contact with mouth, skin and eyes. Do not inhale. Wash your hands after using. Other security precautions are not required except of stated warnings during using the closed package. Use only in rooms, in which there is a local sucking device.

Storage : Keep in original package in cool, dry and well ventilated places. Keep away from food and animal feed items. Keep away from direct sunlight. Keep against freezing. Keep it in places that children cannot reach.

Storage Temperature: 0-30 °C

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Precautions: Ensure appropriate general or local ventilation to keep the product concentration under allowed limits.

Personal Protection Equipment:

Eye : Use eye protection equipment compliant with EN 166.

Skin : Use protective clothing and appropriate gloves. Use 2 layers of clothing, if possible. Use CE marked Nitrile Rubber (min. 0.40 mm thick). Contaminated gloves should be washed. Any gloves that cannot be cleaned inside and outside should be disposed.

Respiratory : Use respiratory apparatuses compliant with EN 149:2001. Any respiratory protection apparatus should only be used for short term operations, as a part of risk minimization measures, e.g. in case of local ventilation. Comply with operation instructions and warnings of the manufacturer during use of respiratory protection apparatuses.

Hygiene Measures: Do not eat, drink or smoke while handling the product. Wash your hands each time before eating, drinking, smoking or going to the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid, clear

Color : Colorless

pH : 2-4 10% (20°C)

10. STABILITY AND REACTIVITY

Conditions to be avoided : Extreme degrees and direct sun light

Materials to be avoided : None

Dangerous reaction : When stored and handled appropriately no hazardous reactions are observed. Toxic and irritant vapors may occur following combustion or thermal decomposition. Durable for described storage conditions. Hazardous polymerization products do not occur.

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11. TOXICOLOGICAL INFORMATION

Giberellic Acid Technical Material:

Oral Acute oral LD₅₀ for rats and mice >15 000 mg/kg.

Skin and eye Acute percutaneous LD₅₀ for rats >2000 mg/kg. Non-irritating to skin and eyes.

Inhalation No ill-effect on rats subjected to 400 mg/l for 2 h/d for 21 d.

NOEL (90 d) for rats and dogs >1000 mg/kg diet (6 d/w).

12. ECOLOGICAL INFORMATION

Giberellic Acid Technical Material:

Birds Acute oral LD₅₀ for bobwhite quail >2250 mg/kg. Acute oral LC₅₀ >4640 mg/kg.

Fish LC₅₀ (96 h) for rainbow trout >210 ppm.

Daphnia EC₅₀ (48 h) 488 mg/l;

NOEL (48 h) 360 ppm

13. DISPOSAL INFORMATION

Product : Do not dispose it together with household wastes. Waste residue should not be spilled into wastewater canals. Any product wastes should be disposed of in compliance with Hazardous Wastes Control Regulations.

Contaminated Materials : Empty containers should not be used for other products. Completely emptied and rinsed containers should be disposed in compliance with regulations. Non-clearable containers should be disposed of as hazardous materials.

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14. TRANSPORTATION INFORMATION

It is not in dangerous material class from the point of transport

ADR/RID/ADNR

UN-No. :-

Hazard Mark :-

Packing Group :-

Product type :-

IMDG

UN-No. :-

Class :-

Packing Group :-

EMS :-

Marine Pollutant :-

Product Type :-

IATA

UN-No. :-

Class :-

Packing Group :-

Product Type :

15. REGULATORY INFORMATION

This data sheet is prepared based on regulation on preparation and distribution of safety data sheets about hazardous materials and preparations (O.G. issue no 27092 dated 26/12/2008).

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Hazard Marks and Symbols:



Xn: Harmful

Hazardous Materials Listed on the Label

Includes Giberellic Acid and Diethylene Glycol.

Risk Phrases:

Physicochemical : -

Health :

R22: Harmful if swallowed

Environment : -

Safety Phrases:

S1/2 : Keep locked and away from children.

S13 : Keep away from food, drink and animal foodstuffs

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection

S46 : If swallowed, seek medical advice immediately and show this container or label

Important Labeling:

Follow instructions to avoid personal and environmental risks.

16. OTHER INFORMATION

Xn: Harmful

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All Risk Phrases under Section 2:

R22: Harmful if swallowed

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Prepared By : Remzican KARAN

This material safety data sheet is provided as a supplement to instructions of manufacturer; however it does not replace instructions of manufacturer. The information provided in this sheet only conforms to the regulatory criteria known at the time of the preparation of Safety Data Sheet. Required data are gathered in accord with "Regulation on Preparation and Distribution of Safety Data Sheets about Hazardous Materials and preparations (O.G. issue no 27092 dated 26/12/2008)". Concerned organizations and persons are invited to comply with the abovementioned regulation.