SIPCAM INAGRA

MATERIAL SAFETY DATA SHEET

(According to the Dir 2001/58/CE)

GOLDEN MIROWET

1. IDENTIFICATION OF PRODUCT AND COMPANY

SIPCAM INAGRA, S.A.	
Head Office **C/. Profesor Beltrán Báguena, 5** **Tel. : 96 348 35 00 Fax: 96 348 27 21** **46009 VALENCIA (SPAIN)**	**Factory: Ctra. Mareny Blau s/n** **P.O. Box 41** **Tel.: 96 170 21 00 Fax: 96 170 57 53** **46410 SUECA (VALENCIA)**
National Toxicology Institute:	**Emergency Telephone: 91 562 04 20**

Nomenclature:	**GOLDEN MIROWET**
Active Ingredient(s):	**Nonyl Phenol Polyglycol Ether**
Chemical Name (m.a.):	**Nonyl Phenol Polyglycol Ether**
Product Code:	**26.95.00**
Registration :	**B12-1-001**
Type of Formula:	**SOLUBLE CONCENTRATES (SL).**
Use:	**NON IONIC SURFACTANT**

2. COMPOSITION/COMPONENT INFORMATION

General Composition: **Nonyl Phenol Polyglycol Ether**

Hazardous COMPONENTS	Concentration % p/p	Name EINECS	Nº EINECS	Nº CAS	R Phrases (See section 16)	Symbol and Classification
Nonyl Phenol Polyglycol Ether	50.25			9016-45-9	36/38	

3. DESCRIPTION OF HAZARDS

Physical / Chemical Hazard

The product is non-explosive, non-comburent, and non-corrosive.

Toxicological Hazards (Symptoms)

Inhalation:

Aspiration and ingestion:
May cause irritation by ingestion in mouth and superior gastrointestinal tract.

Symptoms of contact with skin / eyes:
Irritating to eyes. Risk of serious damage to eyes
Irritating to Skin. Repeated exposure may cause skin dryness or cracking.

General symptoms:
No known.

Environmental Hazards

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Avoid release to the environment. Dispose of this material and its container to hazardous or special waste collection point.

4. FIRST AID

Symptoms:
See Section 3.

General measures
Remove the person from the contaminated area. Keep the patient in a reposed position. Maintain body temperature. If the person is unconscious, position them on their side with the head lower than the rest of the body and knees bent. Transport the affected person to a hospital or medical centre, bringing the product label or packaging whenever possible. Do not leave the patient alone at any time.

Inhalation:
Remove the affected person from the contaminated area. Monitor respiration. Provide artificial respiration if necessary. Transport the affected person to a hospital or medical centre, bringing the product label or packaging whenever possible.

Ingestion:
In the case of ingestion, DO NOT INDUCE VOMITING. Do not administer anything orally. Transport the affected person to a hospital or medical centre, bringing the product label or packaging whenever possible.

Eye Contact:
Wash eyes with abundant water for at least 15 minutes. Remember to remove contact lenses. Seek medical attention.

Skin Contact:
Immediately remove contaminated clothing. Gently wash the skin area with soap and abundant water. Seek medical attention.

5. FIRE EXTINGUISHING METHODS

Fire Extinction equipment:
Use a dry chemical, foam, sand or water.

Foam	CO_2	Dry powder	Water	Others
X		X	X	

Inappropriate Fire extinguishing methods:
Do not use high-pressure water hose, as this will disperse the product. In the case of use, accumulate and separate contaminated water in order to avoid contaminating sewer systems, drains, watercourses or groundwater.

Special measures:
Combat the fire from a protected position. Take safety measures against electrical shocks and any source of possible ignition. Apply cold water to the recipients, which are exposed to fire until the fire has been extinguished. Move recipients from the vicinity of the fire if possible without risk. Do not approach recipients, which have been exposed, to fire. In the case of an intense fire in a loading area, use fire hoses or automatic fire extinguishing equipment not directly operated by personnel to avoid risks. Consult and apply the safety and emergency plans where applicable.

Special Dangers:
In case of fire (high temperatures), inflammable components may be given off.
Avoid spraying water directly into the recipient as this may cause splashing due to sudden boiling.

Gases produced by combustion:
The thermal decomposition of the product may include the release of carbon dioxide and carbon monoxide.

Fire protection equipment:
Heat resistant suit and gloves should be worn. The use of a respirator is mandatory in the case of abundant smoke and dangerous gases.

6. MEASURES TO BE TAKEN WHEN ACCIDENTAL SPILLAGE

Environmental precautions:
This product is harmful to aquatic fauna avoid spillage in sewers, drains and dispersion. Report any large spillage to the competent authorities according to applicable regulations. Report any large spillage to the competent authorities according to applicable regulations.

Personal precautions:
The area of the spill should be isolated with access prohibited to all unnecessary personnel. Avoid contact and inhalation of the product. If the spill has occurred in an enclosed location, ventilate the area.
Ensure that respiratory protection is worn if necessary. Wear gloves, safety glasses and impermeable clothing depending on the risk of exposure. Evacuate all personnel not necessary for cleanup.

Decontamination and clean-up:
Contain the liquid with earth or sand. Do not use water to clean the area. Recover the product using a pump (manual or anti-deflagration) or with an appropriate absorbent material. If the liquid is too viscous to be pumped, absorb the spill with non-combustible materials such as earth, sand or vermiculite. Once the product is absorbed, collect with shovels and buckets and deposit it in sealed and properly labelled containers. The product may leave the floor slippery. Dispose of the containers in an authorised waste collection area; consult an expert in the elimination of the product, according to applicable local state and European regulations.

Personal protection:
Ensure that adequate respiratory protection is worn for the levels of exposure. Wear safety glasses with lateral guards. Use the appropriate protective clothing and safety boots resistant to chemical products.

7. HANDLING AND STORAGE

Handling:
Handle and open container with care. Read the label of the product before opening the container. While opening the containers and transporting the product wear suitable protective clothing. Handle the product in a well-ventilated area. Remove and carefully wash all contaminated clothing before use. Take all the safety measures necessary when handling chemical products. Always wash hands carefully after handling this product. Do not eat and drink while handling the product. Wash thoroughly with soap and water after handling the product. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Restricted use only to farmers and professional applicators. The farmer should use gloves and protective clothing while doing the loading ant mixtures of the product.

Storage:
* Maintain the product in the original containers.
* Do not reuse empty containers.
* The containers must be stored in a cool, dry, well ventilated place away from the reach of children and domestic animals.
* Do not store with food, beverages or tobacco.
* Do not store near a source of heat or flame.
* Do not eat, drink or smoke in area where there is a potential risk of exposure to the product.
* Store under normal conditions of temperature (> 5º C and <40 ºC) and humidity.

Specific Uses:
GOLDEN MIROWET is a surfactant non ionic with wetting properties, once added to the medium, diminishes the superficial tension of water and allowing a better coverage of the surface´s leaves. In this way the treatment given to the crop is more efficient as the medium is retained on the surface of the leave for a longer time.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General precautions:
Avoid long term exposures, even small quantities of the product.
Use efficient ventilation systems to ensure complete ventilation and keep airborne concentrations below recommended limits.

Control of Environmental exposure:
To prevent risks for the aquatic organisms, do not use next to water courses, leave without treatment a band of 10 meters from them.

DO NOT CONTAMINATE THE WATER WITH THE PRODUCT NOR THE CONTAINER.

Personal safety equipment:
Breathing Protection: Use self-breathing apparatus.
Hand Protections: Chemical resistant gloves such as barrier laminate, viton, butyl nitrile or neoprene rubber (>14 µg).
Eye Protection: Safety glasses, splash goggles or face shield. Contact lenses should not be worn.
Skin Protection: Coveralls and normal clothing.

Workplace hygiene practices:
Good practise laboratories and hygienic measures should be taken reducing unnecessary exposure. Hot water showers should be used. It is convenient to have another set of clothes for changing. The clothes should be washed immediately after use and not to be worn again unless it is well cleaned.

All individual protection measures should be certified by the European Union´s normative.

Exposure limits:
TLV STEL = No data available
TWA = No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect: Soluble Concentrate	**Melting point:** N/a is liquid
Colour: Blue.	**Boiling Point:** 100 ºC (water).
Density: 1.043-1.047 Kg/l	**pH =** 7.50-9.50
Solubility in water: Soluble	**Solubility:** Soluble
Vapour Pressure: No data available	**Superficial Tension:** 36.4-36.8 mN/m
Explosive Properties: Non explosive	**Carburant Properties:** Non-carburant.
Ignition Point: N/a (contains water)	**Auto-flammability:** Non-inflammable
Heat of Combustion: 2100 kcal/kg.	**Viscosity:** 140-200 cps
Speed of Evaporation: No data available.	**Vapour Density:** No data available
Partition Coefficient. n-octanol/water: No data available	
Other physical/Chemical data: No data available	

10. STABILITY AND REACTIVITY

Stability:
The product is stable under normal conditions of packaging and storage, for two years.

Conditions to avoid:
Keep away from any point of ignition.
Keep away from moisture and heat.

Materials to avoid:
Keep away from strong oxidants. It may react with them.

Products in decomposition:
In case of fire (high temperatures), inflammable components may be given off.

11. TOXICOLOGY

Ways of Entry:
Contact with the skin, eyes, by inhalation and ingestion.

Acute or Chronic effects:
Poisoning may cause:
- May cause irritation by ingestion in mouth and superior gastrointestinal tract.
- Irritating to eyes. Risk of serious damage to eyes
- Irritating to Skin. Repeated exposure may cause skin dryness or cracking.

DL 50 m.a.
Alquyl Phenol Ehtoxylate:
DL50 (in rats): > 2000 mg/Kg
The toxicity of the GOLDEN MIROWET will depend on the phytosanitary which will be mixed with.

Carcinogenic effects:
Not known

Reproduction Effects:
Not Known

12. ENVIRONMENTAL INFORMATION

Contamination form and potential:

Persistency: No data available
Degradability: The active material does not biodegradates easily.
Mobility: The product is soluble in water, therefore it´s easily dispersible.
Potential de Bioaccumulation: Not Known

Eco-toxicity:
Aquatic toxicity:

Nonyl Phenol Polyglycol Ether:
CL50 fish, 1-10 mg/l
CL50, 48 h, Daphnia magna: >10 mg/l
Toxicity to birds:
No data available.
Toxicity to bees:
No data Available.
Toxicity to worms:
No data Available.

13. WASTE DISPOSAL CONSIDERATIONS

Waste disposal of the product:
Refer to manufacturer/supplier for information on recovery/recycling. This material must be disposed of as hazardous waste Avoid release to the environment. Do not empty into drains, dispose of this material at hazardous or special waste collection point

Waste disposal of the Container:
Each container once is emptied in the spray tank, must be washed thoroughly three times with water jet spray and the contaminated water poured into the spray tank. Empty bottles should be disposed at hazardous or special waste collection point.

14. INFORMATION RELATED TO TRANSPORT

Special precautions:
It is forbidden its transport with foodstuffs, beverages and food or any other personnel stuff.

Complementary Information:

ADR/RID: Class: *9*
Code Classification: *M6*
Packaging group: III
Nº UN: *3082* NIP: *90*
Labels: *9 + P*
Official Transportation designation: *LIQUID SUBSTANCE, POTENTIALLY HARMFUL TO THE ENVIRONMENT, N.E.P. (Nonyl Phenol Polyglycol Ether).*

IMDG: Class: *N/A*
Packaging group: *III*
Nº UN: *3082*
Marine Pollutant: *P*
Labels: *9 + P*
Official Transportation designation: *LIQUID SUBSTANCE, POTENTIALLY HARMFUL TO THE ENVIRONMENT, N.E.P. (Nonyl Phenol Ethoxylated).*
Stowing and separation: Category A.

15. REGULATORY INFORMATION

Symbols and Pictograms:

Irritante

Peligroso para el medio ambiente

Phrases R:
R 36/38: Irritating to eyes and skin
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Phrases S:
S 2: Keep out of the reach of children.
S 13: Keep away from food, drink and animal feeding stuffs.
S 23: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 24/25: Avoid contact with skin and eyes
S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
SP 1: DO NOT CONTAMINATE THE WATER WITH THE PRODUCT NOR WITH THE CONTAINER.

Other regulations: THIS PRODUCT SHOULD NOT TO BE TRADE TO THE EUROPEAN UNION.

16. OTHER INFORMATION OF INTEREST

GLOSSARY:
- CAS Chemical Abstracts Service.--N.D.A.: No Data Available.
- DL50: Medium Lethal Dose - N/A: Not applied
- CL50: Medium Lethal Concentration -a.i.: active ingredient
- t.p.: technical product
- TLV: Threshold Limit Value
TWA: Time weight Average
-STEL: Short Time Exposure Limit

The above data has been repopulated on the basis of the best existing sources of information. The above information is believed to be correct, but does not claim to be all-inclusive and should be used only as a guide.

Phrases R Section 2:
R 36/38: Irritating to eyes and skin
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Modifications respect to last revision:
This is the first edition of this Material safety data sheet.