

1 Identification

· Product identifier

· Trade name: RICESTAR HT HERBICIDE

· Article number: US88152

· CAS Number:

EPA Registration No.: 264-682-10163

Active Ingredient: Fenoxaprop-P-ethyl (6.70%), CAS: 71283-80-2

· Application of the substance / the mixture Agricultural herbicide

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Gowan Company, LLC.

P.O. Box 5569

Yuma, Arizona 85366-5569

(928) 783-8844

· Information department: sds@gowanco.com

· Emergency telephone number:

Chemtrec® Emergency Telephone 24 - Hours: (Spills, leak or fire) Inside U.S. & Canada: (800) 424-9300

Outside the U.S. & Canada: +011 (703) 527-3887

For medical emergency (ProPharma Group®): (888) 478-0798

2 Hazard(s) identification

· Classification of the substance or mixture



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer.

Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to the kidneys through prolonged or repeated exposure.

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS07



GHS08

· Signal word Danger

· Hazard-determining components of labeling:

Solvent naphtha (petroleum), heavy arom.

1-methyl-2-pyrrolidinone

Alcohols, C11-14 linear and branched, C13 rich., ethoxylated

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: **RICESTAR HT HERBICIDE**

(Contd. of page 1)

propanoic acid, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-, ethyl ester, (2R)-ethyl 5,5-diphenyl-2-isoxazoline-3-carboxylate

Hazard statements

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H373 May cause damage to the kidneys through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 2

Fire = 2

Reactivity = 0

HAZARD INDEX:

4 Severe Hazard

3 Serious Hazard

2 Moderate Hazard

1 Slight Hazard

0 Minimal Hazard

Other hazards

Results of PBT and vPvB assessment

· **PBT:** Not applicable in US.

· **vPvB:** Not applicable in US.

3 Composition/information on ingredients

Chemical characterization: Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-94-5	Solvent naphtha (petroleum), heavy arom. ⚠️ Aspiration Hazard 1, H304; ⚠️ Aquatic Chronic 2, H411; ⚠️ Specific Target Organ Toxicity - Single Exposure 3, H336; Flammable Liquids 4, H227; Aquatic Acute 2, H401	25.71%
CAS: 78330-21-9	Alcohols, C11-14 linear and branched, C13 rich., ethoxylated ⚠️ Eye Damage 1, H318; ⚠️ Aquatic Acute 1, H400; Aquatic Chronic 3, H412	6.0%
CAS: 91-20-3	naphthalene ⚠️ Carcinogenicity 2, H351; ⚠️ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠️ Acute Toxicity - Oral 4, H302	7.58%

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: RICESTAR HT HERBICIDE

(Contd. of page 2)

CAS: 71283-80-2	propanoic acid, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-, ethyl ester, (2R)- ⚠ Specific Target Organ Toxicity - Repeated Exposure 2, H373; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Sensitization - Skin 1, H317	6.7%
CAS: 163520-33-0	ethyl 5,5-diphenyl-2-isoxazoline-3-carboxylate ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Toxicity - Oral 4, H302; Sensitization - Skin 1, H317	3.62%
CAS: 90-12-0	1-methylnaphthalene ⚠ Acute Toxicity - Oral 4, H302; Flammable Liquids 4, H227	6.77%
CAS: 91-57-6	2-methylnaphthalene ⚠ Acute Toxicity - Oral 4, H302	14.07%
CAS: 108-32-7	propylene carbonate ⚠ Eye Irritation 2A, H319	15.0%
CAS: 104-76-7	2-Ethyl-1-hexanol ⚠ Acute Toxicity - Dermal 4, H312; Skin Irritation 2, H315; Eye Irritation 2A, H319; Flammable Liquids 4, H227	1.6%

4 First-aid measures

· Description of first aid measures

· General information:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact 1-888-478-0798 for emergency medical treatment information.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call poison control center or doctor for further treatment advice.

· After skin contact:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

· After eye contact:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes.
- Call a poison control center or doctor for treatment advice.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Have a person sip a glass of water if able to swallow
- Do not give anything by mouth to an unconscious person.

· Information for doctor:

· Most important symptoms and effects, both acute and delayed

Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard.

The following symptoms may occur:

Cough, Shortness of breath, Dizziness, Central nervous system depression

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: **RICESTAR HT HERBICIDE**

(Contd. of page 3)

- **Indication of any immediate medical attention and special treatment needed**
Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.
There is no specific antidote.

5 Fire-fighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Mouth respiratory protective device.
- **Additional information** Flash point 100 °C

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Mount respiratory protective device.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:

CAS: 872-50-4	1-methyl-2-pyrrolidinone	30 ppm
CAS: 91-20-3	naphthalene	15 ppm

· PAC-2:

CAS: 872-50-4	1-methyl-2-pyrrolidinone	32 ppm
CAS: 91-20-3	naphthalene	83 ppm

· PAC-3:

CAS: 872-50-4	1-methyl-2-pyrrolidinone	190 ppm
CAS: 91-20-3	naphthalene	500 ppm

US

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: **RICESTAR HT HERBICIDE**

(Contd. of page 4)

7 Handling and storage

· Handling:

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

· Conditions for safe storage, including any incompatibilities

· Storage:

· **Requirements to be met by storerooms and receptacles:** Store in a cool, dry, well-ventilated area.

· **Information about storage in one common storage facility:**

Store in original container away from feed and food. Store in cool, dry area. Do not store in direct sunlight.

Do not allow prolonged storage in temperatures that exceed 105°F (40°C) or in temperatures that fall below 14°F (-10°C).

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

CAS: 872-50-4 1-methyl-2-pyrrolidinone

TLV BEI

WEEL Long-term value: 10 ppm
Skin

CAS: 91-20-3 naphthalene

PEL Long-term value: 50 mg/m³, 10 ppm

REL Short-term value: 75 mg/m³, 15 ppm

Long-term value: 50 mg/m³, 10 ppm

TLV Long-term value: 10 ppm

Skin; BEI, A3

· Regulatory information

TLV: Guide to Occupational Exposure Values (TLV)

WEEL: Guide to Occupational Exposure Values (AIHA WEELs)

PEL: Guide to Occupational Exposure Values (OSHA PELs)

REL: Guide to Occupational Exposure Values (NIOSH RELs)

· Ingredients with biological limit values:

CAS: 872-50-4 1-methyl-2-pyrrolidinone

BEI 100 mg/L

Medium: urine

Time: end of shift

Parameter: 5-Hydroxy-N-methyl-2-pyrrolidinone

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: **RICESTAR HT HERBICIDE**

(Contd. of page 5)

CAS: 91-20-3 naphthalene**BEI**

-

Medium: -

Time: end of shift

Parameter: 1-Naphthol with hydrolysis + 2-Naphthol with hydrolysis (Nq,Ns)

· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protection device that is independent of circulating air.

· **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**

Chemical-resistant 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 can not 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:**

Tightly sealed goggles

· **Body protection:**

Applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Chemical resistant gloves
- Shoes plus socks

US

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: RICESTAR HT HERBICIDE

(Contd. of page 6)

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:

Liquid

· Color:

Light yellow

· Odor:

Aromatic

· Odor threshold:

Not determined.

· pH-value at 20 °C (68 °F):

5-8

· Change in condition

· Melting point/Melting range:

Undetermined.

· Boiling point/Boiling range:

Undetermined.

· Flash point:

100 °C (212 °F)

· Flammability (solid, gaseous):

Not applicable.

· Auto igniting:

445 °C (833 °F)

· Decomposition temperature:

Not determined.

· Ignition temperature:

Product is not self-igniting.

· Danger of explosion:

Product does not present an explosion hazard.

· Explosion limits:

· Lower:

Not determined.

· Upper:

Not determined.

· Vapor pressure:

Not determined.

· Density at 20 °C (68 °F):

1.05 g/cm³ (8.76225 lbs/gal)

· Relative density

Not determined.

· Vapor density

Not determined.

· Evaporation rate

Not determined.

· Solubility in / Miscibility with

· Water:

Dispersible.

· Partition coefficient (n-octanol/water):

Not determined.

· Viscosity:

· Dynamic:

Not determined.

· Kinematic:

Not determined.

· Solvent content:

· Organic solvents:

14.9 %

· VOC content:

14.90 %

· Other information

No further relevant information available.

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions known.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: RICESTAR HT HERBICIDE

(Contd. of page 7)

- **Conditions to avoid**
Direct sunlight.
Excessive heat.
- **Incompatible materials:** Oxidizing agents. Acids.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

Oral	LD50	> 2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>5.22 mg/l (rat)

· Primary irritant effect:

- **on the skin:** Not an irritant

- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

CAS: 91-20-3	naphthalene	2B
--------------	-------------	----

· NTP (National Toxicology Program)

CAS: 91-20-3	naphthalene	R
--------------	-------------	---

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

· Germ cell mutagenicity

Fenoxaprop-P-ethyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests. Isoxadifen-ethyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

· Carcinogenicity

Fenoxaprop-P-ethyl demonstrated no carcinogenic potential in a lifetime feeding study in rats. Fenoxaprop-P-ethyl caused an increased incidence of liver tumours in mice at high doses. Fenoxaprop-P-ethyl causes tumours through peroxisome proliferation. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans. Isoxadifen-ethyl was not carcinogenic in lifetime feeding studies in rats and mice.

· Reproductive toxicity

Fenoxaprop-P-ethyl did not cause reproductive toxicity in a two-generation study in rats. Isoxadifen-ethyl did not cause reproductive toxicity in a two-generation study in rats.

· Specific target organ toxicity - repeated exposure

Fenoxaprop-P-ethyl did not cause specific target organ toxicity in rats. Fenoxaprop-P-ethyl caused specific target organ toxicity in experimental animal studies in mice in the following organ(s): Kidney. Isoxadifen-ethyl did not cause specific target organ toxicity in experimental animal studies.

US

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: **RICESTAR HT HERBICIDE**

(Contd. of page 8)

12 Ecological information

· Toxicity

This pesticide is toxic to fish, shrimp and oysters. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark except as indicated in the directions for use on rice. Do not contaminate arable land and/or water when disposing of equipment wash water or rinsate

Toxicity to fish

LC50 (*Oncorhynchus mykiss* (rainbow trout)) 2.78 mg/l

Exposure time: 96 h

Test conducted with a similar formulation.

EC50 (*Daphnia magna* (Water flea)) 5.81 mg/l

Exposure time: 48 h

Test conducted with a similar formulation.

LC50 (*Oncorhynchus mykiss* (rainbow trout)) 0.39 mg/l

Exposure time: 96 h

The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.

LC50 (*Lepomis macrochirus* (Bluegill sunfish)) 0.19 mg/l

Exposure time: 96 h

The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.

LC50 (*Lepomis macrochirus* (Bluegill sunfish)) 0.22 mg/l

Exposure time: 96 h

The value mentioned relates to isoxadifen-ethyl.

· **Aquatic toxicity:** No further relevant information available.

· Persistence and degradability

Fenoxaprop-P-ethyl: Not rapidly biodegradable

Isoxadifen-ethyl: Not rapidly biodegradable

· Behavior in environmental systems:

· Bioaccumulative potential

Fenoxaprop-P-ethyl: Bioconcentration factor (BCF) 338 Does not bioaccumulate.

Isoxadifen-ethyl: Does not bioaccumulate.

· Mobility in soil

Fenoxaprop-P-ethyl: Immobile in soil

Isoxadifen-ethyl: Slightly mobile in soils

· Ecotoxicological effects:

· Other information:

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

· Additional ecological information:

· General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: **RICESTAR HT HERBICIDE**

(Contd. of page 9)

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

· **Uncleaned packagings:**· **Recommendation:**

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· **UN-Number**· **DOT**

Void

· **ADR, IMDG, IATA**

UN3082

· **UN proper shipping name**· **DOT**

Void

· **ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE), MARINE POLLUTANT

· **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvent naphtha (petroleum), heavy arom., NAPHTHALENE, CRUDE)

· **Transport hazard class(es)**· **DOT**· **Class**

Void

(Contd. on page 11)

US

Safety Data Sheet

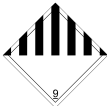

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: **RICESTAR HT HERBICIDE**

(Contd. of page 10)

· Label	-
· ADR, IMDG, IATA	
 	
· Class	9 Miscellaneous dangerous substances and articles
· Label	9
· Packing group	
· DOT	Void
· ADR, IMDG, IATA	III
· Environmental hazards:	Product contains environmentally hazardous substances: Alcohols, C11-14 linear and branched, C13 rich., ethoxylated
· Marine pollutant:	Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles
· Hazard identification number (Kemler code):	90
· EMS Number:	F-A,S-F
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: No limit On cargo aircraft only: No limit
· ADR	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	Non Bulk: Not regulated: Bulk: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM., NAPHTHALENE, CRUDE), 9, III

15 Regulatory information

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

EPA /FIFRA Information:

This chemical is a pesticide product registered by the Environmental Protection Agency (EPA) and is subject to

(Contd. on page 12)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: RICESTAR HT HERBICIDE

(Contd. of page 11)

certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

· **Marketing authorization number:**· **SARA Title III**· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

CAS: 872-50-4 | 1-methyl-2-pyrrolidinone

CAS: 91-20-3 | naphthalene

· **TSCA (Toxic Substances Control Act):**

CAS: 64742-94-5 | Solvent naphtha (petroleum), heavy arom.

ACTIVE

CAS: 872-50-4 | 1-methyl-2-pyrrolidinone

ACTIVE

CAS: 78330-21-9 | Alcohols, C11-14 linear and branched, C13 rich., ethoxylated

ACTIVE

CAS: 91-20-3 | naphthalene

ACTIVE

CAS: 163520-33-0 | ethyl 5,5-diphenyl-2-isoxazoline-3-carboxylate

ACTIVE

CAS: 68953-96-8 | Acide benzènesulfonique, dérivés alkylés ramifiés en mono-C11-13, sels de calcium

ACTIVE

· **Hazardous Air Pollutants**

CAS: 91-20-3 | naphthalene

· **Proposition 65**· **Chemicals known to cause cancer:**

CAS: 91-20-3 | naphthalene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

CAS: 872-50-4 | 1-methyl-2-pyrrolidinone

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

CAS: 91-20-3 | naphthalene

C, CBD

· **TLV (Threshold Limit Value)**

CAS: 91-20-3 | naphthalene

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

Not applicable



GHS07



GHS08

(Contd. on page 13)

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: RICESTAR HT HERBICIDE

(Contd. of page 12)

· Signal word

(USA EPA) WARNING

Danger

· Hazard-determining components of labeling:

Solvent naphtha (petroleum), heavy arom.

1-methyl-2-pyrrolidinone

Alcohols, C11-14 linear and branched, C13 rich., ethoxylated

propanoic acid, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]-, ethyl ester, (2R)-

ethyl 5,5-diphenyl-2-isoxazoline-3-carboxylate

· Hazard statements

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H373 May cause damage to the kidneys through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Systems Design and Control**· Contact:** sds@gowanco.com**· Date of preparation / last revision** 07/29/2024 / 12.0**· Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

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)

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

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

(Contd. on page 14)

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/29/2024

Reviewed on 07/29/2024

Trade name: RICESTAR HT HERBICIDE

(Contd. of page 13)

*BEI: Biological Exposure Limit**Flammable Liquids 4: Flammable liquids – Category 4**Acute Toxicity - Oral 4: Acute toxicity – Category 4**Skin Irritation 2: Skin corrosion/irritation – Category 2**Eye Damage 1: Serious eye damage/eye irritation – Category 1**Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A**Sensitization - Skin 1: Skin sensitisation – Category 1**Carcinogenicity 2: Carcinogenicity – Category 2**Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3**Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2**Aspiration Hazard 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

US