SEACTIV GOLD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 8/11/2026 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : SEACTIV GOLD
Product code : FLGOLDUSA

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Fertilisers
Recommended use : Fertilizers

1.4. Supplier's details

Manufacturer
TIMAC AGRO USA Inc.
P.O. Box 888 - Route 724 & I-176
Reading, PA 19607-0888 – USA, PENNSYLVANIA
T 1-800-545-5474
info-fds@roullier.com

1.5. Emergency phone number

Country/Area	Organization	Emergency number
Americas	3E Europe GmbH. Bergheimer Str. 3 88677 Markdorf - Germany.	+1-760-476-3961 + 1 866 519 4752 (24/7)
USA	USA POISON CONTROL CENTER (24h/7d).	1-800-222-1222

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Reproductive toxicity, Category 1B	H360	May damage fertility or the unborn child.
Specific target organ toxicity — Repeated exposure, Category 1	H372	Causes damage to organs through prolonged or repeated exposure.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe mist, vapors.
P280 - Wear protective gloves, protective clothing, eye and face protection.
P302+P352 - If on skin: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Boric acid (H3BO3), compd. with 2-aminoethanol		CAS-No.: 26038-87-9	25 – 50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360
2-aminoethanol		CAS-No.: 141-43-5	1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 1, H372

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : see section(s) : 2.1/2.3).

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : water, carbon dioxide (CO2), powder and foam.

5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable. Non oxidizing material.

Explosion hazard : Not explosive.

Hazardous decomposition products in case of fire : May release hazardous fumes. Carbon oxides (CO, CO2). nitro-compounds.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Control the vapors with a water spray.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Do not get in eyes, on skin, or on clothing. Ventilate spillage area. Do not breathe vapors. Evacuate unnecessary personnel. Mark the danger area. Only qualified personnel equipped with suitable protective equipment may intervene.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area. Stop leak if safe to do so. Dike and contain spill.

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Pump up the product into a suitably labeled spare container. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. Do not breathe vapors. Use personal protective equipment as required. Avoid contact with skin, eyes and clothing. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. Handle in accordance with good industrial hygiene and safety practice.

Handling temperature : 32 °F

7.2. Conditions for safe storage, including incompatibilities

Technical measures : The floor of the depot should be impermeable and designed to form a water-tight basin. Comply with applicable regulations.

Storage conditions : Store closed containers with closure in upper position. Keep out of reach of children. Store in dry, cool, well-ventilated area. Store in original container. Store in a closed container.

Incompatible products : Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

Storage temperature : ≥ 32 °F Store at ambient temperature. Protect from freezing.

Specific end uses : see section(s) : 1.2. Relevant identified uses of the substance or mixture and uses advised against).

Special rules on packaging : Keep only in original container. Store in a closed container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

2-aminoethanol (141-43-5)	
USA - ACGIH® - Threshold Limit Values	
Local name	Ethanolamine
ACGIH® TLV® TWA	8 mg/m³
	3 ppm
ACGIH® TLV® STEL	15 mg/m³
	6 ppm
ACGIH® TLV® C	3 ppm
Remark (ACGIH®)	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2026
USA - OSHA - Occupational Exposure Limits	
Local name	Ethanolamine
OSHA PEL TWA	6 mg/m³
	3 ppm
OSHA PEL STEL	6 ppm
OSHA PEL (Ceiling)	3 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

2-aminoethanol (141-43-5)	
USA - NIOSH - Occupational Exposure Limits	
Local name	Ethanolamine [2-Aminoethanol]
NIOSH REL (TWA)	3 ppm
NIOSH REL 10h TWA	3 ppm
NIOSH REL (STEL)	6 ppm
NIOSH REL (Ceiling)	3 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Local exhaust and general ventilation must be adequate to meet exposure standards.

Environmental exposure controls : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Assure that emissions are compliant with all applicable air pollution control regulations. Comply with applicable regulations.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:

Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use

Type	Material	Permeation	Thickness (mm)	Penetration
Reusable gloves, Disposable gloves	butyl rubber, Nitrile rubber, Fluoroelastomer (FKM), Viton® II, Silver Shield®	3 (> 60 minutes)		

Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

Type	Field of application	Characteristics
Safety glasses, Face shield	Droplet	With side shields

Skin and body protection:

Skin protection appropriate to the conditions of use should be provided

Type
Long sleeved protective clothing
Boots

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Device	Filter type	Condition
Aerosol mask	Type P2	Protection for Liquid particles

Personal protective equipment symbol(s):



Other information:
See Heading 7 : 7.1. Precautions for safe handling.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Color	:	dark brown
Odor	:	characteristic
Odor threshold	:	No data available
pH	:	8 – 9
Melting point	:	No data available
Freezing point	:	< 0 °C
Boiling point	:	> 100 °C
Flash point	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Density	:	10.26 lb/gal
Solubility	:	Soluble. Water: Miscible in all proportions
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	Not applicable
Explosive properties	:	Product is not explosive.
Oxidizing properties	:	Non oxidizing material according to EC criteria.
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Oxidation agents.

10.6. Hazardous decomposition products

Nitrogen oxides. Carbon oxides (CO, CO2). Metal oxides.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)
Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

SEACTIV GOLD	
Additional information	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

2-aminoethanol (141-43-5)	
LD50 oral rat	1089 mg/kg (OECD 401 method)
LD50 dermal rat	1822 mg/kg (OECD 402 method)
ATE US (oral)	1089 mg/kg body weight
ATE US (dermal)	1822 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
pH: 8 – 9

2-aminoethanol (141-43-5)	
pH	12.1

Serious eye damage/irritation : Causes serious eye irritation.
pH: 8 – 9

2-aminoethanol (141-43-5)	
pH	12.1

Respiratory or skin sensitization : Not classified (Based on available data, the classification criteria are not met)
No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

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2-aminoethanol (141-43-5)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

SEACTIV GOLD	
Additional information	No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

2-aminoethanol (141-43-5)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Symptoms/effects : see section(s) : 2.1/2.3).

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : Based on available data, the classification criteria are not met. No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation. Do not allow uncontrolled discharge of product into the environment.

Ecology - water : Do not allow large quantities, as are, to spread into the environment. Do not discharge into drains or rivers.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

2-aminoethanol (141-43-5)	
LC50 - Fish [1]	349 mg/l Cyprinus carpio
EC50 - Crustacea [1]	65 mg/l (Daphnia magna, 48h)
EC50 72h - Algae [1]	4 mg/l Test method EU C.3
NOEC chronic fish	1.2 mg/l
NOEC chronic crustacea	0.85 mg/l
NOEC chronic algae	OECD 201 1 mg/l Pseudokirchneriella subcapitata (NF EN ISO 8692)

12.2. Persistence and degradability

SEACTIV GOLD	
Persistence and degradability	Not established.

Boric acid (H3BO3), compd. with 2-aminoethanol (26038-87-9)	
Persistence and degradability	Rapidly degradable

2-aminoethanol (141-43-5)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.

12.3. Bioaccumulative potential

SEACTIV GOLD	
Bioaccumulative potential	Not established.

2-aminoethanol (141-43-5)	
Bioconcentration factor (BCF REACH)	< 100
Partition coefficient n-octanol/water (Log Pow)	-1.91
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

2-aminoethanol (141-43-5)	
Mobility in soil	Very mobile

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

Other information : No other effects known.

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Discharging into rivers and drains is forbidden.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated
Proper Shipping Name (TDG) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not regulated

TDG
Transport hazard class(es) (TDG) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated
Packing group (TDG) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

Boric acid (H3BO3), compd. with 2-aminoethanol (26038-87-9)

Listed on the Canadian DSL (Domestic Substances List)

2-aminoethanol (141-43-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date : 8/11/2026

Data sources : Section 1.2, 8.1, 11 & 12 are based on components' Chemical Safety Report and/or datas from components' supplie.

Full text of hazard classes and H-statements	
H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure

Abbreviations and acronyms	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
LC50	Median lethal concentration
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
NOAEL	No-Observed Adverse Effect Level
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOEC	No-Observed Effect Concentration
OECD	Organization for Economic Co-operation and Development
STP	Sewage treatment plant

Abbreviations and acronyms	
EC50	Median effective concentration
SDS	Safety Data Sheet

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.