

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : EVEREST® 3.0 AG HERBICIDE
Other means of identification : EPA REG.# 66330-433

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Herbicide
Restrictions on use : Agriculture, For professional users only

1.3. Details of the supplier of the safety data sheet

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513 - USA
T 1-866-761-9397

1.4. Emergency telephone number

Emergency number : Exposure calls (PROPHARMA): 1-866-303-6952 or +1-651-603-3432 (international)
Spill calls (CHEMTREC) (Contract # CCN1779): 1-800-424-9300 or +1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Eye Dam. 1 H318
Skin Sens. 1 H317
Carc. 2 H351
Aquatic Chronic 2 H411

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

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS05

GHS07

GHS08

GHS09

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H351 - Suspected of causing cancer.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing must not be allowed out of the workplace
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of 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.
P310 - Immediately call a poison center/doctor/...
P321 - Specific treatment (see supplemental first aid instruction on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.

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P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % (w/w) | GHS-US classification |
|--------------------------------|------------------------|-----------|---|
| Flucarbazone sodium (Active) | (CAS-No.) 181274-17-9 | 19.09 | Not classified |
| Surface Active Agent | (CAS-No.) trade secret | 3 - 7 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |
| Surfactant 1 | (CAS-No.) trade secret | 3 - 7 | Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| Safener | (CAS-No.) trade secret | 3 - 7 | Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Surfactant 2 | (CAS-No.) trade secret | 1 - 3 | Aquatic Chronic 3, H412 |
| Heavy Aromatic Naphtha Solvent | (CAS-No.) 64742-94-5 | 1 - 3 | Flam. Liq. 4, H227 Asp. Tox. 1, H304 |
| Hexyl alcohol | (CAS-No.) 111-27-3 | 0.5 - 1.5 | Acute Tox. 4 (Oral), H302 |
| Polymer/emulsifier | (CAS-No.) trade secret | 0.5 - 1.5 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |
| Naphthalene | (CAS-No.) 91-20-3 | 0.1 - 0.5 | Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin thoroughly with mild soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. May result in aspiration into the lungs. Get medical advice/attention if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : Inhalation of vapours may cause respiratory irritation. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. May cause slight irritation. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : Abdominal pain, nausea. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

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5.2. Special hazards arising from the substance or mixture

- Fire hazard : Burning produces irritating, toxic and noxious fumes.
Reactivity : Reacts with (strong) oxidizers.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Do not breathe aerosol. Do not breathe vapour. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Notify authorities if product enters sewers or public waters. Use personal protective equipment as required.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material 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 : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

- See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe aerosol. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapours. Do not get in eyes, on skin, or on clothing.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place.
Incompatible products : Strong bases. Strong acids. Strong oxidizers.
Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

- No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| EVEREST® 3.0 AG HERBICIDE | |
|-----------------------------------|----------------|
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Flucarbazone sodium (181274-17-9) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |

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| Safener (trade secret) | | |
|--|-------------------------------------|---|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Polymer/emulsifier (trade secret) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Surface Active Agent (trade secret) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Surfactant 1 (trade secret) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Heavy Aromatic Naphtha Solvent (64742-94-5) | | |
| ACGIH | ACGIH STEL (mg/m ³) | 10 mg/m ³ |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 5 mg/m ³ |
| Hexyl alcohol (111-27-3) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Naphthalene (91-20-3) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 52 mg/m ³ |
| ACGIH | ACGIH TWA (ppm) | 10 ppm |
| ACGIH | ACGIH STEL (mg/m ³) | 79 mg/m ³ |
| ACGIH | ACGIH STEL (ppm) | 15 ppm |
| ACGIH | Remark (ACGIH) | Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure) |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 50 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 10 ppm |
| Surfactant 2 (trade secret) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

8.2. Appropriate engineering controls

- Appropriate engineering controls : Avoid splashing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use only outdoors or in a well-ventilated area.
- Environmental exposure controls : Prevent leakage or spillage. Prevent contaminated water run-off.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

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Wear suitable gloves resistant to chemical penetration. Butyl rubber. Natural rubber. neoprene. Nitrile rubber. (>= 14 mils)

Eye protection:

tightly fitting safety goggles. If there is a risk of liquid being splashed : Face shield

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material. Approved organic vapour respirator

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-------------------------|
| Physical state | : Liquid |
| Colour | : Gray |
| Odour | : characteristic |
| Odour threshold | : No data available |
| pH | : 5.5 - 7.5 (1%) |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Vapour pressure | : No data available |
| Relative density | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Density | : 9.18 lb/gal @ 25 °C |
| Solubility | : No data available |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 600 - 1200 cP @ 25 °C |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with (strong) oxidizers.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

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10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Inhalation; Skin and eye contact

Acute toxicity : Not classified

| EVEREST® 3.0 AG HERBICIDE | |
|---|--------------------------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 5000 mg/kg |
| LC50 inhalation rat (mg/l) | > 2.06 mg/l/4h |
| Flucarbazon sodium (181274-17-9) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 5000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5.13 mg/l/4h |
| Safener (trade secret) | |
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 0.935 mg/l/4h |
| ATE US (gases) | 700 ppmv/4h |
| ATE US (vapours) | 3 mg/l/4h |
| ATE US (dust,mist) | 0.5 mg/l/4h |
| Surface Active Agent (trade secret) | |
| LD50 oral rat | 501 - 1000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg female |
| ATE US (oral) | 501 mg/kg bodyweight |
| Surfactant 1 (trade secret) | |
| LD50 oral rat | > 2000 mg/kg bw/day |
| LD50 dermal rat | 1000 - 1600 mg/kg |
| ATE US (dermal) | 1000 mg/kg bodyweight |
| Heavy Aromatic Naphtha Solvent (64742-94-5) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5.28 mg/l/4h |
| Hexyl alcohol (111-27-3) | |
| LD50 oral rat | 3210 mg/kg bodyweight |
| LD50 dermal rat | 1500 - 2000 mg/kg bodyweight |
| LC50 inhalation rat (mg/l) | > 21 mg/l/4h |
| ATE US (oral) | 500 mg/kg bodyweight |
| ATE US (dermal) | 1500 mg/kg bodyweight |
| Naphthalene (91-20-3) | |
| LD50 oral rat | 490 mg/kg |
| LD50 dermal rabbit | 20 g/kg |
| LC50 inhalation rat (mg/l) | > 340 mg/m ³ 1 hour |
| ATE US (oral) | 490 mg/kg bodyweight |
| ATE US (dermal) | 20000 mg/kg bodyweight |
| Surfactant 2 (trade secret) | |
| LD50 oral rat | > 6400 mg/kg |

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| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Not classified (Slightly irritant but not relevant for classification) |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Suspected of causing cancer. |

Hexyl alcohol (111-27-3)

| | |
|---|-----------------------|
| NOAEL (chronic, oral, animal/male, 2 years) | 1127 mg/kg bodyweight |
|---|-----------------------|

Naphthalene (91-20-3)

| | |
|--|---|
| IARC group | 2B - Possibly carcinogenic to humans |
| National Toxicology Program (NTP) Status | 3 - Reasonably anticipated to be Human Carcinogen |

| | |
|-------------------------------------|---|
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/effects after inhalation | : Inhalation of vapours may cause respiratory irritation. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. May cause slight irritation. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : Abdominal pain, nausea. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-----------------|--|
| Ecology - water | : Toxic to aquatic life with long lasting effects. |
|-----------------|--|

Flucarbazone sodium (181274-17-9)

| | |
|--------------------------------|--------------------------------------|
| LC50 fish 1 | > 96.7 mg/l 96 h oncorhynchus mykiss |
| LC50 other aquatic organisms 1 | 6.4 mg/l 96 h green algae |
| EC50 Daphnia 1 | 38.8 mg/l 48 h |
| LC50 fish 2 | > 99.3 mg/l 96 h bluehill |

Safener (trade secret)

| | |
|----------------|-------------------------------|
| LC50 fish 1 | > 0.97 ppm 96 h Rainbow trout |
| EC50 Daphnia 1 | > 0.82 ppm 48 h |
| NOEC (acute) | 3.74 mg/l |

Surface Active Agent (trade secret)

| | |
|--------------------------------|------------------|
| LC50 fish 1 | 1.1 mg/l 96 h |
| EC50 Daphnia 1 | 7.07 mg/l 48 h |
| EC50 other aquatic organisms 1 | >= 10 mg/l 72 h |
| LC50 fish 2 | 1 - 10 mg/l 96 h |

Surfactant 1 (trade secret)

| | |
|-------------|----------|
| LC50 fish 1 | 100 mg/l |
|-------------|----------|

Hexyl alcohol (111-27-3)

| | |
|--------------------------------|-----------|
| LC50 fish 1 | 97.5 mg/l |
| EC50 other aquatic organisms 1 | 201 mg/l |

Naphthalene (91-20-3)

| | |
|--------------------------------|---|
| LC50 fish 1 | > 0.91 (0.91 - 2.82) mg/l Oncorhynchus mykiss |
| EC50 Daphnia 1 | >= 1.96 mg/l |
| EC50 other aquatic organisms 1 | 33 mg/l |
| LC50 fish 2 | > 1 (1 - 6.5) mg/l Pimpephales promelas |
| LOEC (acute) | 3.2 mg/l |
| NOEC (acute) | 1.8 mg/l |

Surfactant 2 (trade secret)

| | |
|----------------|---------------|
| LC50 fish 1 | 7.8 mg/l 96 h |
| EC50 Daphnia 1 | 16 mg/l 48 h |

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| Surfactant 2 (trade secret) | |
|--------------------------------|----------------------|
| EC50 other aquatic organisms 1 | > 44 mg/l 72 h algae |

12.2. Persistence and degradability

| EVEREST® 3.0 AG HERBICIDE | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| Safener (trade secret) | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |

| Surfactant 1 (trade secret) | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 2.9 % 28 days |

| Heavy Aromatic Naphtha Solvent (64742-94-5) | |
|---|-------------------------|
| Persistence and degradability | Not rapidly degradable. |
| Biodegradation | 39 % |

| Hexyl alcohol (111-27-3) | |
|--------------------------|-------------|
| Biodegradation | 55 % 5 days |

| Surfactant 2 (trade secret) | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |

12.3. Bioaccumulative potential

| EVEREST® 3.0 AG HERBICIDE | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Flucarbazone sodium (181274-17-9) | |
|-------------------------------------|---------------|
| Bioconcentration factor (BCF REACH) | 3 (estimated) |

| Safener (trade secret) | |
|-------------------------------------|-----|
| Bioconcentration factor (BCF REACH) | 877 |

| Surfactant 1 (trade secret) | |
|-----------------------------|--------------------------------------|
| Log Pow | 4.595 |
| Bioaccumulative potential | This product is not bioaccumulating. |

| Naphthalene (91-20-3) | |
|-----------------------|---------------------|
| BCF fish 1 | >= 427 (427 - 1158) |

12.4. Mobility in soil

| Flucarbazone sodium (181274-17-9) | |
|-----------------------------------|--------------------------------------|
| Mobility in soil | mobile in soil; Koc = 36 (estimated) |

| Heavy Aromatic Naphtha Solvent (64742-94-5) | |
|---|-------------------|
| Mobility in soil | Migrates to soil. |

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3082 Environmentally hazardous substances, liquid, n.o.s. (Safener), 9, III
UN-No.(DOT) : UN3082

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| | |
|----------------------------------|---|
| Proper Shipping Name (DOT) | : Environmentally hazardous substances, liquid, n.o.s. Safener |
| Transport hazard class(es) (DOT) | : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140 |
| Packing group (DOT) | : III - Minor Danger |
| Hazard labels (DOT) | : 9 - Class 9 (Miscellaneous dangerous materials) |



| | |
|-------------------------------|-------|
| Dangerous for the environment | : Yes |
| Marine pollutant | : Yes |



| | |
|-------------------|--|
| Other information | : Non-bulk (<= 119 gallons / 450 Liters) Not Regulated; Bulk (> 119 gallons / 450 Liters) Regulated as stated. |
|-------------------|--|

Transport by sea

IMDG

| | |
|---------------------------------------|---|
| Transport hazard class(es) (IMDG) | : 9 : |
| | |
| Marine pollutant | : Yes |
| UN-No. (IMDG) | : 3082 |
| Transport document description (IMDG) | : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Safener), 9, III, MARINE POLLUTANT |
| Class (IMDG) | : 9 - Miscellaneous dangerous substances and articles |
| Packing group (IMDG) | : III - substances presenting low danger |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-F |

Air transport

IATA

| | |
|---------------------------------------|---|
| Transport hazard class(es) (IATA) | : 9 : |
| | |
| Marine pollutant | : Yes |
| UN-No. (IATA) | : 3082 |
| Transport document description (IATA) | : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Safener), 9, III |
| Class (IATA) | : 9 - Miscellaneous Dangerous Goods |
| Packing group (IATA) | : III - Minor Danger |

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Flucarbazone sodium (181274-17-9)

| | |
|--------------------------|--|
| EPA TSCA Regulatory Flag | Exempt from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide. |
|--------------------------|--|

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| Surface Active Agent (trade secret) | |
|--|---|
| EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711). |

| Naphthalene (91-20-3) | |
|---|--|
| Subject to reporting requirements of United States SARA Section 313 | |
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 100 lb |
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard Immediate (acute) health hazard |

| Surfactant 2 (trade secret) | |
|------------------------------------|---|
| EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711). |

| FIFRA Labelling | |
|---|--|
| EPA Registration Number | 66330-433 |
| This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.. | |
| FIFRA Signal Word | Danger |
| FIFRA Human Health Hazards | Causes irreversible eye damage. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. |
| FIFRA First Aid | Do not get in eyes or on clothing. Wear appropriate protective eyewear such as goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective eyewear, a long sleeve shirt and long pants, socks and shoes. |
| FIFRA Environmental Hazards | Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate. Do not allow sprays to drift onto adjacent desirable plants. |
| FIFRA Physical Hazard | Do not mix or come into contact with oxidizing agents. Hazardous chemical reaction may occur. |

15.2. International regulations

CANADA

| Flucarbazon sodium (181274-17-9) | |
|--|--|
| Not listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Safener (trade secret) | |
| Not listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Polymer/emulsifier (trade secret) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Surface Active Agent (trade secret) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Surfactant 1 (trade secret) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Heavy Aromatic Naphtha Solvent (64742-94-5) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Hexyl alcohol (111-27-3) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Naphthalene (91-20-3) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |
| Surfactant 2 (trade secret) | |
| Listed on the Canadian DSL (Domestic Substances List) inventory. | |

15.3. US State regulations

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WARNING: This product can expose you to Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Component | Carcinogenicity | Developmental toxicity | Reproductive toxicity male | Reproductive toxicity female | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|--|-----------------|------------------------|----------------------------|------------------------------|----------------------------------|-------------------------------------|
| Naphthalene(91-20-3) | X | | | | 5.8 µg/day | |
| Silicon dioxide (cristobalite)(14808-60-7) | X | | | | | |
| Ethylene oxide(75-21-8) | X | X | X | X | 2 µg/day | 20 µg/day |
| Propylene oxide(75-56-9) | X | | | | | |
| acetaldehyde; ethanal(75-07-0) | X | | | | 90 µg/day (inhalation) | |
| ethylene glycol(107-21-1) | | X | | | | |

| Component | State or local regulations |
|-------------------------|---|
| Hexyl alcohol(111-27-3) | U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |
| Naphthalene(91-20-3) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16: Other information

Data sources

: European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information

: None.

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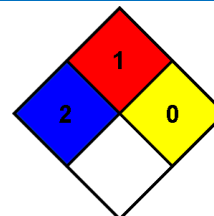
Full text of H-statements:

| | |
|---------------------------|---|
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Carc. 2 | Carcinogenicity, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Flam. Liq. 4 | Flammable liquids, Category 4 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H351 | Suspected of causing cancer. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Abbreviations and acronyms:

| | |
|--|---|
| | ACGIH (American Conference of Government Industrial Hygienists) |
| | ATE: Acute Toxicity Estimate |
| | CAS (Chemical Abstracts Service) number |
| | CLP: Classification, Labelling, Packaging. |
| | EC50: Environmental Concentration associated with a response by 50% of the test population. |
| | GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). |
| | LD50: Lethal Dose for 50% of the test population |
| | OSHA: Occupational Safety & Health Administration |
| | TSCA: Toxic Substances Control Act |

- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



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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