

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	Spraygard AU
Company/Undertaking Identification Address	Taminco BVBA Pantserschipstraat 207 9000 GENT BELGIUM
Telephone	(+32) 9 254 14 11
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Emergency Telephone Number	(+32) 9 254 10 36
E-mail address	MSDS_ASC@taminco.com
Use of the Substance/Preparation	Adjuvant

2. HAZARDS IDENTIFICATION

Most Important Hazards

- Irritating to eyes and skin
- May cause sensitization by skin contact
- Toxic to aquatic organisms

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Chemical Name	CAS-No	Weight %	EINECS	Classification
Terpene Polymer	1140527-06-5	30-45		Xi,N R38 - R43 - R50/53 Skin irritation: Cat. 2; Skin sensitization: Cat. 1; Acute Aquatic: Cat. 1; Aquatic chronic: Cat. 1, M-factor: 1 H315, H317, H400, H410
Alcohol ethoxylate	68439-45-2	10-18		Xn, Xi, R22, R41 Acute toxicity: Cat. 4; Eye irritation Cat.: 1 H302, H318

4. FIRST AID MEASURES

Inhalation

- Consult a physician after significant exposure
- Remove from exposure, lie down

Eye Contact

- If eye irritation persists, consult a specialist

Skin Contact

- Wash off immediately with soap and plenty of water

Ingestion

- Drink plenty of water
- Do not induce vomiting
- Consult a physician

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- carbon dioxide (CO₂)
- foam
- or
- Dry powder

Specific methods

- Burning produces obnoxious and toxic fumes

Special protective equipment for fire-fighters

- Firefighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent)
- In the event of fire, wear self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions

- Do not allow run-off from fire fighting to enter drains or water courses
- Local authorities should be advised if significant spillages cannot be contained

Methods for Clean-up

- Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
- Flush with plenty of water

7. HANDLING AND STORAGE

Storage

Technical measures/Precautions

- Keep away from food, drink and animal feeding stuffs
- Keep away from children
- Store in original container
- Keep container tightly closed

Handling

Technical measures/Precautions

- When using, do not eat, drink or smoke
- Avoid breathing vapors or mists
- Do not contaminate surface water

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Chemical Name	GOEL	ACGIH TLV
Terpene Polymer	Not listed	Not listed
Alcohol ethoxylate	Not listed	Not listed

Personal Protective Equipment

Eye/face Protection	• Safety glasses with side-shields
Hand Protection	• rubber or plastic gloves
Respiratory Protection	• Respiratory Protection
Skin Protection	• Ensure that eyewash stations and safety showers are close to the workstation location

9. PHYSICAL AND CHEMICAL PROPERTIES**General Information**

Color	Off-white yellow tint
Odor	Terpene-like

Important Health Safety and Environmental Information

Boiling Point/Range	> 100°C
Flash Point	No data available
Viscosity	520 mPas @ 20°C
Vapor Pressure	0.02Pa @ 25 °C
Relative density	0.98
pH	No data available
Water solubility	Partly soluble
Melting Point/Range	No data available
Density	No data available
Autoignition Temperature	268°C

10. STABILITY AND REACTIVITY

Conditions to Avoid	• None known
Materials to avoid	• None known
Hazardous Decomposition Products	• Carbon oxides

11. TOXICOLOGICAL INFORMATION**Product Information**

11. TOXICOLOGICAL INFORMATION

LD50/oral/rat =	> 2500 mg/kg
LD50/dermal/rat =	> 2000 mg/kg
LC50/inhalation/4h/rat =	> 4.96 mg/l
Eye irritation	Mild eye irritation
Skin irritation	Moderate skin irritation
Sensitization	Causes sensitization
Target Organ Effects	Not available
Mutagenic Effects	No information available
Reproductive toxicity	Did not show teratogenic effects in animal experiments
Carcinogenic effects	Did not show carcinogenic effects in animal experiments

Human experience

Human experience no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Component Information	Information refers to the main component
Toxicity to fish	LC50 : 41 mg/L
EC50/48h/daphnia =	1.9 - 10mg/L
EC50/120h/algae =	72 mg/l
Toxicity to bacteria	- No information available

Mobility

Koc = > 4.4

Persistence/Degradability

Not readily biodegradable

Bioaccumulative Potential

No data available

13. DISPOSAL CONSIDERATIONS

- | | |
|---------------------------------------|--|
| Waste from Residues / Unused Products | • Dispose of in accordance with local regulations |
| Contaminated Packaging | • Empty containers should be taken for local recycling, recovery or waste disposal |

14. TRANSPORT INFORMATION

Road transport

Class	9
UN-No	UN 3082
Packing Group	PG III

14. TRANSPORT INFORMATION

Proper Shipping Name 3082 - Environmentally hazardous substance, liquid, n.o.s
 Hazard Indicator 90

Sea transport

Class 9
 UN-No UN 3082
 Packing Group PG III
 Marine pollutant yes
 Proper Shipping Name 3082 - Environmentally hazardous substance, liquid, n.o.s

Air transport

Class 9
 UN-No UN 3082
 Packing Group PG III
 Proper Shipping Name 3082 - Environmentally hazardous substance, liquid, n.o.s

15. REGULATORY INFORMATION**Symbol(s)**

- Xi - Irritant
- N - Dangerous for the environment.

**R -phrase(s)**

- R36/38 - Irritating to eyes and skin
 - R41 - Risk of serious damage to eyes
 - R43 - May cause sensitization by skin contact.
 - R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- S -phrase(s)**
- S23 - Do not breathe spray
 - S24 - Avoid contact with skin.
 - S56 - Dispose of this material and its container at hazardous or special waste collection point

International Inventories

Chemical Name

Terpene PolymerAlcohol ethoxylate

TSCA	EINECS	DSL	ENCS	AICS
X		DSL - Listed		Listed.

16. OTHER INFORMATION

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R38 - Irritating to skin

R43 - May cause sensitization by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R22 - Harmful if swallowed

R41 - Risk of serious damage to eyes

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Prepared By
Literary Reference

Prepared By
-Taminco Proprietary Studies

Further information for the safety data sheet

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.