

Nilotron Full Release Fogger

SAFETY DATA SHEET

SECTION 1: Identification

1.1 GHS Product identifier

Product name Nilotron Full Release Fogger

Product number FR00098

1.4 Supplier's details

Name Hospeco Brands Group
Address

Cleveland OH 44143

Telephone 800-321-9832
Fax 800-362-0073
email www.hospecobrands.com

National contact

Name ESG Asia Pacific NZ
Address 61 Seaview Road
5040 Lower Hutt Wellington
New Zealand

Telephone +64 4568 4126

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Flammable aerosols, Cat. 1
- Gases under pressure, compressed gas
- Eye damage/irritation, Cat. 2A
- Sensitization, skin, Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Nilotron Full Release Fogger

SAFETY DATA SHEET

Hazard statement(s)

H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H336	May cause drowsiness or dizziness

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration
Acetone (CAS no.: 67-64-1; EC no.: 200-662-2; Index no.: 606-001-00-8) CLASSIFICATIONS: Flammable liquids, Cat. 2; Specific target organ toxicity (single exposure), Cat. 3; Serious eye damage/eye irritation, Cat. 2. HAZARDS: H225 - Highly flammable liquid and vapor; H319 - Causes serious eye irritation; H336 - May cause drowsiness or dizziness.	> 50 - <= 100 % (weight)
Propane gas (CAS no.: 74-98-6; EC no.: 200-827-9; Index no.: 601-003-00-5) CLASSIFICATIONS: Flammable gases, Cat. 1; Press. Gas. HAZARDS: H220 - Extremely flammable gas.	> 10 - <= 25 % (weight)
N-BUTANE (CAS no.: 106-97-8; EC no.: 203-448-7; Index no.: 601-004-01-8) CLASSIFICATIONS: Flammable gases, Cat. 1; Fail: No text found to return.; Carcinogenicity, Cat. 1A; Germ cell mutagenicity, Cat. 1B. HAZARDS: H220 - Extremely flammable gas; H340 - May cause genetic defects [route]; H350 - May cause cancer [route].	> 2.5 - <= 10 % (weight)
Isobutane (CAS no.: 75-28-5; EC no.: 200-857-2; Index no.: 601-004-01-8) CLASSIFICATIONS: Flammable gases, Cat. 1; Fail: No text found to return.; Carcinogenicity, Cat. 1A; Germ cell mutagenicity, Cat. 1B. HAZARDS: H220 - Extremely flammable gas; H340 - May cause genetic defects [route]; H350 - May cause cancer [route].	> 2.5 - <= 10 % (weight)
Octanal, 2-(phenylmethylene)- (CAS no.: 101-86-0; EC no.: 202-983-3) CLASSIFICATIONS: No data available. HAZARDS: No data available.	>= 0.1 - < 1 % (weight)

Nilotron Full Release Fogger

SAFETY DATA SHEET

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
If inhaled	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
In case of skin contact	Immediately wash with water and soap and rinse thoroughly.
In case of eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
If swallowed	If symptoms persist consult doctor.

4.2 Most important symptoms/effects, acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.2 Specific hazards arising from the chemical

No further relevant information available.

5.3 Special protective actions for fire-fighters

No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and materials for containment and cleaning up

Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

Nilotron Full Release Fogger

SAFETY DATA SHEET

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Protective Action Criteria for Chemicals

· PAC-1:

67-64-1 acetone 200 ppm
74-98-6 propane 5500* ppm
106-97-8 butane, pure 5500* ppm
75-28-5 isobutane 5500* ppm
124-68-5 2-amino-2-methylpropanol 17 mg/m³
91-64-5 Coumarin 0.88 mg/m³
100-51-6 Benzyl alcohol 30ppm
120-51-4 Benzyl benzoate 5.7 mg/m³
94-59-7 safrole 5.9 mg/m³

· PAC-2:

67-64-1 acetone 3200* ppm
74-98-6 propane 17000** ppm
106-97-8 butane, pure 17000** ppm
75-28-5 isobutane 17000** ppm
124-68-5 2-amino-2-methylpropanol 190 mg/m³
91-64-5 Coumarin 9.7 mg/m³
100-51-6 Benzyl alcohol 52ppm
120-51-4 Benzyl benzoate 63 mg/m³
94-59-7 safrole 64 mg/m³

· PAC-3:

67-64-1 acetone 5700* ppm
74-98-6 propane 33000*** ppm
106-97-8 butane, pure 33000*** ppm
75-28-5 isobutane 33000*** ppm
124-68-5 2-amino-2-methylpropanol 570 mg/m³
91-64-5 Coumarin 58 mg/m³
100-51-6 Benzyl alcohol 740ppm
120-51-4 Benzyl benzoate 380 mg/m³
94-59-7 safrole 390 mg/m³

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

· Information about protection against explosions and fires:

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

· Information about storage in one common storage facility: Not required.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Acetone (CAS: 67-64-1)

PEL (Inhalation): 1000 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 250 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 250 ppm, (ST) 500 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

2. Propane (CAS: 74-98-6)

PEL (Inhalation): 1000 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1000 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

3. Propane gas (CAS: 74-98-6 EC: 200-827-9)

TLV® (Inhalation): Appendix F Minimal oxygen content (D, EX)

4. N-BUTANE (CAS: 106-97-8 EC: 203-448-7)

REL (Inhalation): 800 ppm

TLV® (Inhalation): 1000 ppm

5. Isobutane (CAS: 75-28-5 EC: 200-857-2)

TLV® (Inhalation): 1000 ppm

8.2 Appropriate engineering controls

Provide eyewash station.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

If contact is likely, tightly sealed goggles recommended

Skin protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Respiratory protection

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Physical state
Appearance
Odor

Gas
Aerosol
Characterisitic

Nilotron Full Release Fogger

SAFETY DATA SHEET

Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	Not applicable, as aerosol
Flammability	Not applicable
Lower and upper explosion limit/flammability limit	1.8 Vol % Lower; 13 Vol % Upper
Flash point	> 60 °C (> 140 °F)
Explosive properties	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	at 20 °C (68 °F): 0.94 g/cm ³ (7.8443 lbs/gal)
Relative vapor density	No data available.

Supplemental information regarding physical hazard classes

Solvent Content:

Organic solvents: 91.5%

VOC content: 25.21%

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Nilotron Full Release Fogger

SAFETY DATA SHEET

· LD/LC50 values that are relevant for classification:

67-64-1 acetone

Oral LD50 5,800 mg/kg (rat)

Dermal LD50 20,000 mg/kg (rabbit)

Skin corrosion/irritation

No irritant effect.

Serious eye damage/irritation

Irritating effect.

Respiratory or skin sensitization

Sensitization possible through skin contact.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

· IARC (International Agency for Research on Cancer)

97-53-0 Eugenol 3

91-64-5 Coumarin 3

94-59-7 safrole 2B

93-15-2 Eugenyl methyl ether 2B

· NTP (National Toxicology Program)

94-59-7 safrole R

93-15-2 Eugenyl methyl ether R

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

STOT-single exposure

May cause drowsiness and dizziness.

Aspiration hazard

LD/LC50 values that are relevant for classification:

106-97-8 butane

Inhalative LC50/4 h 658 mg/l (rat)

SECTION 12: Ecological information

Toxicity

No further relevant information available.

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

Nilotron Full Release Fogger

SAFETY DATA SHEET

No further relevant information available.

Results of PBT and vPvB assessment

Not applicable

Endocrine disrupting properties

No further relevant information available.

Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Disposal must be made according to official regulations.

Packaging disposal

Disposal must be made according to official regulations.

SECTION 14: Transport information

DOT (US)

UN Number: 1950

Class: 2.1

Packing Group:

Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number: 1950

Class: 2.1

Packing Group:

EMS Number: F-D, S-U

Proper Shipping Name: AEROSOLS

IATA

UN Number: UN1950

Class: 2.1

Packing Group: Not applicable

Proper Shipping Name: Aerosols, flammable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Nilotron Full Release Fogger

SAFETY DATA SHEET

Massachusetts Right To Know Components

Chemical name: Acetone

CAS number: 67-64-1

New Jersey Right To Know Components

Common name: ACETONE

CAS number: 67-64-1

New Jersey Right To Know Components

Common name: ISOBUTANE

CAS number: 75-28-5

New Jersey Right To Know Components

Common name: PROPANE

CAS number: 74-98-6

New Jersey Right To Know Components

Common name: BUTANE

CAS number: 106-97-8

Pennsylvania Right To Know Components

Chemical name: 2-Propanone

CAS number: 67-64-1

Pennsylvania Right To Know Components

Chemical name: Propane

CAS number: 74-98-6

Pennsylvania Right To Know Components

Chemical name: Propane, 2-methyl-

CAS number: 75-28-5

Pennsylvania Right To Know Components

Chemical name: Butane

CAS number: 106-97-8

California Prop. 65 Components

94-59-7 Safrole//93-15-2 Eugenyl Methyl Ether

HMIS Rating

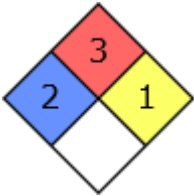
Nilotron Full Release Fogger	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1

Nilotron Full Release Fogger

SAFETY DATA SHEET

PERSONAL PROTECTION

NFPA Rating



SECTION 16: Other information