SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Xtreme Anti-Corrosion Spray Aerosol

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

- Metal surface treatment

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: GardX International Limited
- Address of Supplier: Lake House
  2 Port Way,
  Port Solent
  PO6 4TY
  Portsmouth
  UK
- Telephone: +44 (0)1243 376426
- Email: product@gardxgroup.com

Importer: GardX New Zealand Limited
Address of Importer: 739 Chapel Road
Howick
Auckland
New Zealand

- Telephone: 0800 242 739
- Email: info@gardx.co.nz

1.4 Emergency telephone number

- Emergency Telephone: PCN 131 126. CNN: 1012486. For 24/7 multilingual advice for spill, leak, fire, exposure or accident, call chemtrek @ +65 3163 8374 or +61 2 9037 2994

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classified as a hazardous substance in accordance with the criteria of Hazardous Substances (Safety Data Sheets) Notice 2017

GHS Classification

Flammable Aerosol Category 1	H222
Pressurised Gas	H229

HSNO Classification - Aerosol Category 1

2.2 Label elements

SECTION 2: Hazards identification (....)

- Signal Word: Danger

Hazard statements

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.

Precautionary statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 - Use only outdoors or in a well-ventilated area.
P410+P412 - Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.
P102 - Keep out of reach of children.
P501 - Dispose of contents/container to an authorised waste collection point

2.3 Other hazards

- No hazard expected under normal conditions of use

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Petroleum gases, liquified, <0.1% 1,3-butadiene

Concentration: 30-60%
CAS Number: 68476-85-7
Categories: Flam. Gas 1, Press. Gas
H Statements: H220, H280

Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Concentration: 10-40%
CAS Number: 64742-48-9
Categories: Asp. Tox. 1
H Statements: H304

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)

Concentration: <3.5%
CAS Number: Not applicable
EC Number: 939-717-7
Categories: Eye Irrit. 2, Skin Irrit. 2
H Statements: H315, H319

SECTION 3: Composition/information on ingredients (....)

2-(2-butoxyethoxy)ethanol

Concentration: <1.5%
CAS Number: 112-34-5
Categories: Eye Irrit. 2
H Statements: H319

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

Concentration: <0.4%
CAS Number: Not applicable
EC Number: 701-177-3
Categories: Skin Irrit. 2, Eye Dam. 1, Acute Tox. 4, Aquatic Acute 1, Aquatic Acute 3
H Statements: H315, H318, H332, H400, H412

Non-Hazardous Components

Concentration: Balance
CAS Number: Proprietary
Categories: Not applicable
H Statements: Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

Ingestion

Rinse mouth with water (only if the person is conscious)
Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical attention if ill effects occur

Contact with skin

Remove contaminated clothing
Wash affected area with plenty of soap and water
When in doubt or symptoms persist, seek medical attention

Inhalation

Remove person to fresh air and keep comfortable for breathing.
Seek medical attention if ill effects occur

4.2 Most important symptoms and effects, both acute and delayed

Ingestion

Aspiration hazard
Causes damage to the lungs through repeated or prolonged exposure if inhaled

Contact with eyes

SECTION 4: First aid measures (....)

May cause irritation

Contact with skin

May cause irritation

Inhalation

In cases of severe exposure, dizziness, confusion, headache or stupor may develop

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- May give off noxious and toxic fumes in a fire
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback

5.3 Advice for firefighters

- Shut off all ignition sources
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Keep container(s) exposed to fire cool, by spraying with water
- Wear Positive-Pressure Breathing Apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Ensure adequate ventilation
- Avoid contact with skin and eyes
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

6.2 Environmental precautions

- Absorb spillage in earth or sand
- Do not allow to enter public sewers and watercourses
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Shut off all ignition sources
- Ensure adequate ventilation
- Contain leaking liquid in earth or sand and remove to safe place when solid
- Absorb spillage in earth or sand
- Disposal should be in accordance with local, state or national legislation

6.4 Reference to other sections

SECTION 6: Accidental release measures (....)

- None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Wear protective clothing as per section 8
- Avoid contact with skin and eyes
- Do not breathe fumes
- Keep container tightly closed
- Handle and open container with care
- Ensure adequate ventilation

7.2 Conditions for safe storage, including any incompatibilities

- Opened containers should be carefully resealed and stored in an upright position
- Store above 5 °C
- Store at temperatures not exceeding 40°C/

7.3 Specific end use(s)

- Not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Petroleum gases, liquified, <0.1% 1,3-butadiene

Exposure limit (in house): 1000 ppm 1750 mg/m³ (8 hour TWA)
WEL (short term): 15 minutes - 1250 ppm

Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Exposure limit (in house): 171 ppm 1,200 mg/m³ (8 hour TWA)

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)

DNEL (inhalational): 5 mg/m³
DNEL (dermal): 10 mg/kg (day)

2-(2-butoxyethoxy)ethanol

DNEL (inhalational): 67.5 mg/m³
DNEL (dermal): 20 mg/kg (day)

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

DNEL (oral): 5 mg/kg (day)
DNEL (dermal): 10 mg/kg (day)
DNEL (inhalational): 0.1 mg/m³

8.2 Exposure controls


SECTION 8: Exposure controls/personal protection (....)

- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
- Ensure adequate ventilation
- Eyewash bottles should be available
- Do not eat, drink or smoke when using this product.

8.3 Environmental exposure controls

- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: liquid
- Colour: amber
- Odour: Characteristic odour
- Melting point/Range: not available
- Freezing point/Range: not available
- Boiling Point/Range: Boiling point: -40 °C to 210 °C
- Flammability: Extremely Flammable
- Lower explosive limit: 1.8% (in air)
- Upper explosive limit: 9.5% (in air)
- Flashpoint: -41 °C (CC)
- Autoignition Temperature: not available
- Decomposition temperature: not available
- pH: not applicable
- Kinematic viscosity: not available mm^2/s
- Solubility in water: Insoluble in water
- Partition Coefficient (n-Octanol/Water): not available
- Vapour pressure: not available
- Density: Approx. 0.72 g/cm^3
- Relative vapour density: not available
- Particle characteristics: not available

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat and sources of ignition

SECTION 10: Stability and reactivity (....)

10.5 Incompatible materials

- Incompatible with oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Petroleum gases, liquified, <0.1% 1,3-butadiene

No information available

Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, <2% aromatics

LD_{50} (oral, rat): >2000 mg/kg
LD50 (dermal rabbit) : >2000 mg/kg
LC_{50} (inhalation, rat): >4951 mg/l/4h

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)

LD_{50} (oral, rat): >2500 mg/kg
LC_{50} (inhalation) : >9 mg/l/4h
LD50 (dermal rabbit) : >10000 mg/kg

2-(2-butoxyethoxy)ethanol

LD_{50} (oral, rat): >2000 mg/kg
LCLo (inhalation, rat): >29 ppm /2h
LD50 (dermal rabbit) : 2764 mg/kg

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

LD_{50} (oral, rat): 9200 mg/kg
LC_{50} (inhalation, rat): 1.8 mg/l/4h

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking

Serious eye damage/irritation

May cause irritation

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met

Germ cell mutagenicity

No evidence of mutagenic effects

Carcinogenicity

No evidence of carcinogenic effects

Reproductive toxicity

No evidence of reproductive effects

STOT (specific target organ toxicity) - single exposure

Based on the available data, the classification criteria are not met

SECTION 11: Toxicological information (....)

STOT (specific target organ toxicity) - repeated exposure

Based on the available data, the classification criteria are not met

Aspiration hazard

Aspiration hazard
Causes damage to the lungs through repeated or prolonged exposure if inhaled

11.2 Information on other hazards

- Not available

SECTION 12: Ecological information

12.1 Toxicity

Petroleum gases, liquified, <0.1% 1,3-butadiene

No information available

Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, <2% aromatics

LC_{50} (rainbow trout): >1000 mg/l (96 hr)
EC_{50} (Daphnia magna): >1000 mg/l (48 hr)
IC_{50} (algae): >1000 mg/l (72 hr)

Calcium bis(di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)

LC_{50} (fish): >0.28 mg/l (96 hr)
EC_{50} (Daphnia magna): >0.27 mg/l (48 hr)
IC_{50} (algae): >0.27 mg/l (72 hr)

2-(2-butoxyethoxy)ethanol

LC_{50} (fish): 1300 mg/l (96 hr)
EC_{50} (Daphnia magna): >100 mg/l (48 hr)
IC_{50} (algae): >1995 mg/l (0.5 hr)

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

LC_{50} (fish): 1-10 mg/l (96 hr)
EC_{50} (Daphnia magna): 0.43 mg/l (48 hr)
IC_{50} (algae): 6.3 mg/l (72 hr)

12.2 Persistence and degradability

- Biodegradable

12.3 Bioaccumulative potential

- Not available

12.4 Mobility in soil

- Not available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Not applicable

SECTION 12: Ecological information (....)

12.7 Other adverse effects

- Water Hazard Class: 1 (Company)

SECTION 13: Disposal considerations

Do not discharge into drains or the environment, dispose to an authorised waste collection point

Disposal should be in accordance with local, state or national legislation

Dispose of product in packaging in a way that is consistent with the Hazardous Substances (Disposal) Notice 2017 and the Act.

SECTION 14: Transport information

14.1 UN number or ID number

- UN No.: 1950

14.2 UN proper shipping name

- Proper Shipping Name: Aerosols, flammable

14.3 Transport hazard class(es)

Transport according to NZS 5433 (Transport of Hazardous Substances on Land)

- ADR Hazard Class: 2.1
- ADR Classification Code: 5F
- ADR-RID Labels: 2.1
- IMDG Hazard Class: 2.1
- ICAO Hazard Class: 2.1

14.4 Packing group

- ADR Packing Group: Not applicable
- IMDG Packing Group.: Not applicable
- ICAO Packing Group: Not applicable

14.5 Environmental hazards

- Presents little or no hazard to the environment

14.6 Special precautions for user

- IMDG EmS: F-D S-U
- Tunnel Code: (D)

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

SECTION 15: Regulatory information

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

National regulations - New Zealand

SECTION 15: Regulatory information (....)

Classified as a hazardous substance in accordance with the criteria of Hazardous Substances (Hazard Classification) Notice 2020 (and amended)

Chemical Name	HSNO Chemical Classification
Petroleum gases, liquefied - 68476-85-7	Aerosol Category 1

EPA New Zealand HSNO approval code or group standard - HSR002515

See section 8 for national exposure control parameters

This product is not subject to the following international agreements:

− Montreal Protocol (Ozone depleting substances)
− The Stockholm Convention (Persistent Organic Pollutants)
− The Rotterdam Convention (Prior Informed Consent)

15.2 Chemical safety assessment

- Not available

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H220: Extremely flammable gas. H280: Contains gas under pressure; may explode if heated. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H332: Harmful if inhaled. H400: Very toxic to aquatic life. H412: Harmful to aquatic life with long lasting effects.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend - Section 8: Exposure controls/personal protection

TWA - Time-weighted average DNEL - Derived no-effect level WEL - Workplace exposure limit
LD - Lethal dose LC - Lethal concentration IC - Inhibitory concentration EC - Effective concentration

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