BREAK FREE

Safety Data Sheet

According to Australia NOHSC (2011) and NZ HSNO (2006) Codes of Practice

Printing date: 24.06.2016 Revision: 24.06.2016

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

· **Product identifier**

· **Trade name: CLP Aerosol**

· **Article number:**
CLP-12-1, CLP-12-12, CLP-2-1, CLP-2-10, CLP-2-100, (1009218, 1009219, 1009226, 1009227, 1009228)

· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture:** Lubricant

· **Uses advised against:** Contact manufacturer.

· **Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**
Safariland, LLC
13386 International Parkway
Jacksonville, FL 32218 USA
Customer Care (800) 347-1200
Australia:
Aquaterro
23 Maskells Hill Road
Selby, Melbourne 3159 VIC
Australia
Tel +61 3 9754 2922

New Zealand
Hunting & Fishing
903 Tremain Avenue, PO Box 4472
Roslyn, Palmerston North 4414
New Zealand
Tel +64 6-355 1308

New Zealand Ammunition
10/1 Nicolaus Street
PO Box 40401
Upper Hutt 5140
New Zealand
Tel +64 (4) 526-9253
info@nzammo.co.nz

· **Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

Poison Control Centres:
In the United Kingdom: 844 892 0111
In Australia: 131126
In New Zealand: +0800 764 766

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2 Hazards identification

· **Classification (Australia, New Zealand)**
Australia ADG – Dangerous Goods (Classified according to National Transport Commision Australian Dangerous Goods Code)
Australia NOHSC – Hazardous Substance (Classified according to Worksafe Australia NOHSC 2011 National Code of Practice)
New Zealand HSNO - Hazardous (Classified according to the Minimum Degrees of Hazard Regulations 2001)

· **Hazard statements (New Zealand HSNO Classification)**
Compressed Gas - required under Land Transport Rule 45001/1: Dangerous Goods 2005.
HSNO 6.1D Inh. Tox. 4 H332 Harmful if inhaled.
HSNO 6.1E Skin Tox. 5 H313 May be harmful in contact with skin.
HSNO 6.1E Asp. Tox 1 H304 May be fatal if swallowed and enters airways

· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labelling:**
1-decene, dimer, hydrotreated
Reaction products of 1-decene, hydrogenated

· **Hazard statements**
The following Hazard Statements are only applicable to New Zealand, and are not applicable to Australia: H313.
H313 May be harmful in contact with skin.
H332 Harmful if inhaled.
H304 May be fatal if swallowed and enters airways.

· **Precautionary statements**
The following Precautionary Statements are applicable only to New Zealand and not to Australia: P101, P102, P103.

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**

· **Components:**

68649-12-7	Reaction products of 1-decene, hydrogenated	Asp. Tox. 1, H304	30-60%
68649-11-6	1-decene, dimer, hydrotreated	Asp. Tox. 1, H304 Acute Tox. 4, H332 Acute Tox. 5, H313	30-60%
811-97-2	Norflurane	Press. Gas C, H280	Propellant%

· **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

4 First aid measures

· **Description of first aid measures**
· **General information:** Take affected persons out into the fresh air.
· **After inhalation:**
Supply fresh air.
Seek medical treatment in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:**
Clean with water and soap.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting; call for medical help immediately.
· **Most important symptoms and effects, both acute and delayed**
Coughing
Breathing difficulty
Dizziness
Slight irritant effect on eyes.
· **Hazards:**
Danger of pulmonary oedema.
Danger of impaired breathing.
Danger of pneumonia.
Harmful if inhaled.
May be harmful in contact with skin.

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Repeated exposure may cause skin dryness or cracking.
May be fatal if swallowed and enters airways.

· **Indication of any immediate medical attention and special treatment needed**
If medical advice is needed, have product container or label at hand.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.
Later observation for pneumonia and pulmonary oedema.
Medical supervision for at least 48 hours.

5 Firefighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
Water haze or fog
Foam
Gaseous extinguishing agents
Carbon dioxide
Fire-extinguishing powder
· **For safety reasons unsuitable extinguishing agents:** None.
· **Special hazards arising from the substance or mixture**
Danger of receptacles bursting because of high vapour pressure when heated.
Formation of toxic gases is possible during heating or in case of fire.
· **Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
· **Additional information:** Cool endangered receptacles with water fog or haze.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
For large spills, wear protective clothing.
Particular danger of slipping on leaked/spilled product.
Ensure adequate ventilation
· **Environmental precautions**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Methods and material for containment and cleaning up**
Allow to evaporate.
Absorb liquid components with liquid-binding material.
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Avoid splashes or spray in enclosed areas.
Keep away from heat and direct sunlight.
Use only in well ventilated areas.
· **Information about fire - and explosion protection:**
Pressurised 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.
Keep ignition sources away - Do not smoke.
Protect from heat.
Do not spray onto a naked flame or any incandescent material.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
Provide ventilation for receptacles.
Avoid storage near extreme heat, ignition sources or open flame.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidising agents.
· **Further information about storage conditions:**
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **DNELs:** No further relevant information available.
· **PNECs:** No further relevant information available.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes.
Avoid close or long term contact with the skin.
· **Respiratory protection:**
Not required under normal conditions of use.
Use suitable respiratory protective device in case of insufficient ventilation.

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For large spills, respiratory protection may be advisable.
NIOSH or EN approved organic vapour respirator equipped with a dust/mist prefilter should be used.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact gloves made of the following materials are suitable:**
Neoprene gloves
Nitrile rubber, NBR

· **Eye protection:**

Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:**
Not required under normal conditions of use.
Protection may be required for spills.

· **Limitation and supervision of exposure into the environment:**
No further relevant information available.

· **Risk management measures:**
See Section 7 for additional information.
No further relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **Appearance**	
Form:	Aerosol
Colour:	Light brown
· **Odour:**	Petroleum-like
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Melting point/Melting range:**	Not determined.
· **Boiling point/Boiling range:**	Not applicable, as aerosol.

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· **Flash point:**	Not applicable, as aerosol.
· **Flammability (solid, gaseous):**	Not applicable.
· **Auto/Self-ignition temperature:**	Not determined.
· **Decomposition temperature:**	Not determined.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits**	
Lower:	4.9 Vol %
Upper:	20.2 Vol %
· **Vapour pressure:**	Not determined.
· **Density at 20 °C (68 °F):**	0.85 g/cm³ (7.093 lbs/gal) (composant liquide)
· **Relative density:**	Not determined.
· **Vapour density:**	Not determined.
· **Evaporation rate:**	Not applicable.
· **Solubility in / Miscibility with water:**	Fully miscible.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity**	
Dynamic:	Not determined.
Kinematic:	Not determined.
VOC (California)	< 5.0 % Vol
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Danger of receptacles bursting because of high vapour pressure when heated.
· **Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point.
Reacts violently with oxidising agents.
Reacts with strong acids and alkali.
· **Conditions to avoid**
Store away from oxidising agents.
Keep away from heat and direct sunlight.
· **Incompatible materials** No further relevant information available.
· **Hazardous decomposition products**
Carbon monoxide and carbon dioxide
Danger of toxic fluorine based pyrolysis products.

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11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **LD/LC50 values relevant for classification:** None.
· **Primary irritant effect**
· **Skin corrosion/irritation:** Slight irritant effect on skin and mucous membranes.
· **Serious eye damage/irritation:** Slight irritant effect on eyes.
· **Respiratory or skin sensitisation:** No sensitising effects known.

· **IARC (International Agency for Research on Cancer):**
None of the ingredients are listed.

· **Probable routes of exposure:**
Inhalation
Skin contact.
Eye contact.
· **Acute effects (acute toxicity, irritation and corrosivity):**
May be fatal if swallowed and enters airways.
Harmful if inhaled.
May be harmful in contact with skin.
· **Repeated dose toxicity:** Repeated exposure may cause skin dryness or cracking.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:** Based on available data, the classification criteria are not met.
· **Reproductive toxicity:** Based on available data, the classification criteria are not met.
· **STOT-single exposure:** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
· **Aspiration hazard:** May be fatal if swallowed and enters airways.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **UN-Number**	
· **DOT, ADG, IMDG, IATA**	UN1950
· **UN proper shipping name**	
· **DOT**	Aerosols, non-flammable
· **ADG**	1950 AEROSOLS
· **IMDG**	AEROSOLS
· **IATA**	AEROSOLS, non-flammable
· **Transport hazard class(es)**	
· **DOT**	

· **Class**	2.2
· **Label**	2.2
· **ADG**	

· **Class**	2 5A Gases.
· **Label**	2.2
· **IMDG, IATA**	

· **Class**	2.2
· **Label**	2.2

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· **Packing group**	This UN-number is not assigned a packing group.
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Warning: Gases.
· **Danger code (Kemler):**	-
· **EMS Number:**	F-D,S-U
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADG**	
· **Transport category**	3
· **Tunnel restriction code**	E

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **United States (USA)**
· **SARA**

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **Carcinogenic Categories**

· **IARC (International Agency for Research on Cancer)**
None of the ingredients are listed.

· **Australia**

· **Australian Inventory of Chemical Substances**
All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**
None of the ingredients are listed.

· **New Zealand**

· **HSNO Chemical Classification and Information Database (CCID)**

811-97-2	Norflurane

· **New Zealand Inventory of Chemicals (NZIOC)**
All ingredients are listed.

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· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H313 May be harmful in contact with skin.
H332 Harmful if inhaled.

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
Press. Gas C: Gases under pressure – Compressed gas
Acute Tox. 5: Acute toxicity – Category 5
Acute Tox. 4: Acute toxicity – Category 4
Asp. Tox. 1: Aspiration hazard – Category 1

· **Sources**

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