

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	HANG-ON
Product Identifier	53-D 812 (400ml) Aerosol
MSDS No.	L-33E
Product Family	Lubricant
Manufacturer	J. WALTER CO. LTD, 5977 Trans-Canada Highway, Pointe-Claire, Qc, H9R 1C1, 1-888-592-5837, www.walter.com
Emergency Contact Information	CANUTEC (Canadian Transport Emergency Centre), (613) 996-6666, 24 Hours / 7 Days
Use	Highly adhesive and tenacious maintenance lubricant with superior lubrication under harsh conditions and over extended periods of time.

2. HAZARDS IDENTIFICATION

WHMIS Classification



Class A

A - Compressed Gas; B5 - Flammable Aerosol; D2B - Toxic



Class B5



Class D2B

Potential Health Effects

Route of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

Inhalation

Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Skin Contact

May cause mild irritation.

Eye Contact

EYE IRRITANT. Symptoms include; red eyes, and tearing.

Potential Environmental Effects

May cause long term adverse effects in the aquatic environment. Harmful to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
n-Pentane	109-66-0	20-50	N/Av
Butane	106-97-8	20-30	N/Av
Isobutane	75-28-5	1-10	N/Av
Propane	74-98-6	1-10	N/Av

4. FIRST AID MEASURES

First Aid Procedures

Inhalation

Move victim to fresh air. Call a Poison Control Centre or doctor if victim feels unwell. If unconscious, remove victim from exposure ensuring one's safety whilst doing so, check for breathing and apply artificial respiration if necessary.

Skin Contact

Immediately flush with lukewarm, gently flowing water for 15-20 minutes.

Eye Contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Transfer to hospital for specialist examination.

Ingestion

Immediately call a Poison Control Centre or doctor. Treatment is urgently required. Transport to a hospital.

5. FIRE FIGHTING MEASURES

Flammable Properties

Extremely Flammable. Forms explosive air-vapour mixture. Can ignite if heated.

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, water spray.

Specific Hazards arising from the Chemical

In combustion emits toxic fumes.

Protective Equipment and Precautions for Firefighters

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use the Personal Protective Equipment recommended in Section 8 of this MSDS.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods for Containment and Clean-up

Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand.

7. HANDLING AND STORAGE

Handling

Ensure there is sufficient ventilation in the area. Do not handle in a confined space. Smoking is forbidden.

Storage

Store in an area that is: cool, well-ventilated. Keep away from direct sunlight. Keep in original packaging. Keep away from sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS Registry No.	TWA (8hrs)
n-Pentane	109-66-0	1000 ppm
Butane	106-97-8	1000 ppm
Isobutane	75-28-5	1000 ppm
Propane	74-98-6	1000 ppm

Engineering Controls

Ensure there is sufficient ventilation in the area.

Personal Protective Equipment (PPE)

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Solvent resistant protective clothing.

Nitrile gloves, permeation time > 8 hours.

Respiratory Protection

Self-contained breathing apparatus must be available in case of emergency.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Aerosol

Colour

Light yellow.

Odour

Characteristic

Specific Gravity

0,652 g/ml @ 20°C

Solubility in Water

Insoluble.

Vapour Pressure

2500 hPa

Evaporation Rate

Moderate

Viscosity Kinematic (Aerosol)

735 cps @ 20°C (68 °F)

Viscosity Kinematic (Liquid)

The active ingredients alone are not measurable.

Flash Point

-60 °C (-76 °F)

Lower Flammable/Explosive Limit

1,4%

Upper Flammable/Explosive Limit

32%

Auto-ignition Temperature

510 °C (950 °F)

VOC (g/L)

265 g/L

10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Conditions to Avoid

Heat, open flames, sparks, static discharge and other ignition sources. Avoid direct sunlight.

Incompatible Materials

Oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products

In combustion, emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Ingredients	CAS Number	LD ₅₀ RAT (oral)	LC ₅₀ RAT
n-Pentane	109-66-0	> 2000 mg/kg	> 6106 ppm (4hrs)
Butane	106-97-8	N/Av	658 g/cm (4hrs)
Isobutane	75-28-5	N/Av	14,2% (4hrs)
Propane	74-98-6	N/Av	> 20% (4hrs)

Skin Irritation / Corrosion

Human experience shows mild irritation.

Eye Irritation / Corrosion

Human experience shows mild irritation.

12. ECOLOGICAL INFORMATION

Persistence and Degradability

Does not biodegrade readily.

Mobility

Highly volatile.

Other Adverse Effects

Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

14. TRANSPORT INFORMATION

Shipping Information

Regulation	UN No.	Shipping Name	Class	Packing Group
Canadian TDG	1950	Hang-On (Aerosol)	2,1	II

Other Transport Information

Special Shipping Information

Please note: Ship upright. Protect from freezing.

15. REGULATORY INFORMATION

Canada

Domestic Substances List (DSL)

All ingredients are listed on the DSL.

CEPA - National Pollutant Release Inventory (NPRI)

All ingredients are listed or exempted.

This Product has been classified in accordance with the hazard criteria of the controlled products.

USA

US OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

CERCLA: None
New Jersey Right To Know: Substance No. 1594 (Propane CAS 74-98-6)
Substance No. 0273 (Butane CAS 106-97-8)
Substance No. 1040 (Isobutane CAS 75-28-5)
Substance No. 1476 (Pentane CAS 109-66-0)
SARA Title III - Section 302: None.
SARA Title III - Section 311/312: None.
SARA Title III - Section 313: None.
Section 112: Hazardous Air Pollutants (HAPS): None.

16. OTHER INFORMATION

MSDS Prepared By

International Project Manager, Environmental & MRO Solutions

Phone No.

1-888-592-5837

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