



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	HANG-ON (Liquid)
Product Identifier	53-D 813 (500ml), 53-D 816 (5L), 53-D 817 (20L),
MSDS No.	L-45E
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	Adhesive lubricant.

2. HAZARDS IDENTIFICATION

WHMIS Classification



Class B2

B2 - Flammable Liquid; D2B - Toxic



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 sore, red eyes, and tearing.

Effects of Long-Term (Chronic) Exposure

Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

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	50-70	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

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS Registry No.	TWA (8hrs)
n-Pentane	109-66-0	1000ppm
Eye/Face Protection	Wear chemical safety goggles.	
Skin Protection	PVC, nitril or neoprene gloves are suggested. Breakthrough time of glove material > 8 hours. Prevent skin contact.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Light yellow.
Odour	Characteristic
Specific Gravity	0,73 g/ml @ 20 °C (68 °F)
Solubility in Water	Insoluble.
Viscosity-Kinematic	35 mPa second
Evaporation Rate	Fast
Flash Point	-21 °C (-6 °F)
Vapour Pressure	650 hPa
Lower Flammable/Explosive Limit	1,4%
Upper Flammable/Explosive Limit	7,8%
Auto-ignition Temperature	285 °C (545 °F)
VOC (g/L)	402 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. Oxidizing agents (e.g. peroxides).
Incompatible	Oxidizing agents (e.g. peroxides).
Materials Hazardous	In combustion, emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Ingredients	CAS Number	LD₅₀RAT (oral)	LC₅₀RAT
n-Pentane	109-66-0	> 2000 mg/kg (4hrs)	>6106 ppm (4hrs)

Skin Irritation / Corrosion	Human experience shows mild irritation.
Eye Irritation / Corrosion	Human experience shows mild irritation.
Effects of Short-Term (Acute) Exposure	
Inhalation	Nose and throat irritation.
Ingestion	Irritation of the mouth, throat and stomach.

12. ECOLOGICAL INFORMATION

Persistence and Degradability	Biodegrades slowly.
Bioaccumulation / Accumulation	No information was located.
Mobility	Insoluble in water.
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	1993	Flammable Liquid, (Pentane)	3	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)

Additional USA Regulatory Lists

All ingredients are listed on the TSCA Inventory.

CERCLA: RQ: None

New Jersey Right To Know: 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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