

Target Wire Rope and Open Gear Lubricant

SECTION 1. IDENTIFICATION

Product Identifier	Target Wire Rope and Open Gear Lubricant
Other Means of Identification	100- 2106016
Other Identification	Aerosol
Recommended Use	Lubricant. Grease for open gears and wire.
Manufacturer	Orapi Canada Ltée, 7521 Henri Bourassa est, Montreal, Quebec, H1E 1N9, 514 735 3272, info@orapi-canada.com
Emergency Phone No.	Canutech, 1-613-996-6666 USA infotrack (contrat 75894), 1-800-535-5053 International Infotrack (contrat 75894), 352-323-3500
SDS No.	029

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable aerosol - Category 1; Gas under pressure - Compressed gas; Skin irritation - Category 2; Eye irritation - Category 2B

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H320	Causes eye irritation.
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.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves.
P304 + P341	IF INHALED: If breathing is difficult, 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 CENTRE/doctor/ if you feel unwell.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C (122 °F).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Identifier:	Target Wire Rope and Open Gear Lubricant
SDS No.:	029
Date of Preparation:	November 27, 2017

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Isohexane	107-83-5	20-100	
Naphthenic Acid, Zinc salts	12001-85-3	0-2.5	
carbon dioxide	124-38-9	0.1-10	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

Eye Contact

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any pain, redness or visual impairment, consult an ophthalmologist.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

In the event of a fire, do not use water jet.

Specific Hazards Arising from the Product

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- various hydrocarbons
- aldehydes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

For non first aid worker:

Avoid inhaling the vapours.

Avoid any contact with the skin and eyes.

For first aid worker :

First aid workers will be equipped with suitable personal protective equipment (See section 8).

Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

Product Identifier: Target Wire Rope and Open Gear Lubricant

SDS No.: 029

Date of Preparation: November 27, 2017

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Always wash hands after handling.
Avoid contact with skin, eyes and clothings.
Do not breathe vapours, fumes and fog.
Keep packages tightly closed and away from sources of heat, sparks and naked flames.
Do not use tools which may produce sparks. Do not smoke.
No smoking, eating or drinking in areas where the mixture is used.
Never open the packages under pressure.

Conditions for Safe Storage

Keep out of reach of children.
Keep away from all sources of ignition - do not smoke.
Keep well away from all sources of ignition, heat and direct sunlight.
Packaging
Always keep in packaging made of an identical material to the original.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Naphthenic Acid, Zinc salts	5 mg/m ³					

- Avoid contact with eyes.

- Avoid skin contact.

- Avoid breathing vapours.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Brown.
Odour	Aromatic
pH	Not applicable
Initial Boiling Point/Range	55 °C (131 °F)
Flash Point	< 21 °C (70 °F)
Vapour Pressure	276 kPa
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	0.78
Solubility	Insoluble in water
Auto-ignition Temperature	> 200 °C (392 °F)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Reactivity and under what conditions: Hazardous polymerisation will not occur.

Chemical Stability

Chemically stable. Avoid heat and open flame. Incompatible with strong alkalis, strong mineral acids, strong oxidizers.

Product Identifier: Target Wire Rope and Open Gear Lubricant
SDS No.: 029
Date of Preparation: November 27, 2017

Possibility of Hazardous Reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

Conditions to Avoid

High temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Hot surfaces.

Hazardous Decomposition Products

Hazardous decomposition products : Carbon oxides, various hydrocarbons, carbon monoxide (CO), carbon dioxide (CO₂), various hydrocarbons, aldehyde.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Isohexane	> 3125 ppm (rat) (4-hour exposure)	> 25 mg/kg (rat)	> 1.3 mg/kg (rabbit)
Naphthenic Acid. Zinc salts		4920 mg/kg (rat)	

Skin Corrosion/Irritation

May cause skin irritation. Prolonged skin contact may produce sensitization, dermatitis.

Serious Eye Damage/Irritation

Contact with eyes may cause pain and slight transient corneal injury. Vapour may irritate eyes.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Above exposure limit, may cause headaches, numbness, dizziness, fatigue, muscular asthenia and extreme cases loss of consciousness.

Ingestion

May cause lung damage if swallowed.

Carcinogenicity

Carcinogenicity: Not determined.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste treatment methods:

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Product Identifier: Target Wire Rope and Open Gear Lubricant

SDS No.: 029

Date of Preparation: November 27, 2017

Give to a certified disposal contractor.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1950	Aerosol class 2.1		
IATA (Air)	1950	Aerosol class 2.1		
US DOT	1950	Aerosol class 2.1		

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

WHMIS classification..... this is a controlled product.

CPR compliance..... this product has been classified in accordance with the hazard.

Criteria of the CPR and the MSDS contain all the information.

Required by the CPR.

CEPA - National Pollutant Release Inventory (NPRI)

WHMIS Classification: A, B5, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION

SDS Prepared By technical service

Date of Preparation November 27, 2017

Date of Last Revision November 27, 2017

Key to Abbreviations OSHA = US Occupational Safety and Health Administration
NTP = National Toxicology Program
NIOSH = National Institute for Occupational Safety and Health

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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Product Identifier: Target Wire Rope and Open Gear Lubricant

SDS No.: 029

Page 05 of 05

Date of Preparation: November 27, 2017