

Releasall industrial

SECTION 1. IDENTIFICATION

Product Identifier	Releasall industrial
Other Means of Identification	103250
Other Identification	20 oz Aerosol
Product Family	Penetrating oil industrial
Recommended Use	Loosens rusted parts. Lubricant.
Manufacturer/Supplier Identifier	Orapi canada ltee, 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.	012

SECTION 2. HAZARD IDENTIFICATION

Classification

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

Label Elements



H223	Flammable aerosol.
H315	Causes skin irritation.
H320	Causes eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.
P242	Use non-sparking tools.
P264	Wash hands and skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C (122 °F).
P501	Dispose of contents and container in accordance with local, regional, national and international regulations.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Stoddard solvent	8052-41-3	30-80	
Distillates (petroleum), hydrotreated middle	64742-46-7	15-40	
carbon dioxide	124-38-9	1-5	
Mineral oil	64742-52-5	1-5	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary. If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor. Consult a physician in case of disorder.

Skin Contact

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital. Not to use solvents or thinners. Consult a doctor in the event of irritation.

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

Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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

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- aldehydes.

Special Protective Equipment and Precautions for Fire-fighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapours.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

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).

Methods and Materials for Containment and Cleaning Up

Clean preferably with a detergent, do not use solvents.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

- Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

Avoid contact with skin, eyes and clothings.

- Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

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.

Prevent access by unauthorised personnel.

- Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapours. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapour extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

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Packages which have been opened must be reclosed carefully and stored in an upright position.

- Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.
Never open the packages under pressure.

- Conditions for safe storage, including any incompatibilities
No data available.

Conditions for Safe Storage

Keep out of reach of children.
Keep the container tightly closed in a dry, well-ventilated place.
Keep away from all sources of ignition - do not smoke.
Keep well away from all sources of ignition, heat and direct sunlight.
The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.
Keep the container away from heat, bad weather, dampness and freezing.

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
Mineral oil	5 mg/m3	5 mg/m3				
Stoddard solvent	100 ppm		100 ppm			

Personal protection measures, such as personal protective equipment
Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes

- Hand protection
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Body protection
Avoid skin contact.
Wear suitable protective clothing.

Suitable type of protective boots :
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection
Avoid breathing vapours.
If the ventilation is insufficient, wear appropriate breathing apparatus.
When workers are confronted with concentrations that are above occupational exposure limits, they must wear a

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suitable, approved, respiratory protection device.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Green liquid. Particle Size: Not available
Odour	Aromatic
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	> 150 °C
Flash Point	47 °C (117 °F) (closed cup)
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	6.0% (upper); 1.1% (lower)
Vapour Pressure	276 kPa
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.84
Solubility	Insoluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	227 °C (441 °F)
Other Information	
Physical State	Liquid
Critical Temperature	Not applicable
Vapour Pressure at 50 deg C	Not available

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.

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

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heating
- heat
- accumulation of electrostatic charges.
- flames and hot surfaces
- exposure to light
- sources of ignition. Temperatures above 50.0 °C (122.0 °F)

Incompatible Materials

Keep away from :

- acids
- bases

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- oxidising agents.

Hazardous Decomposition Products

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

SECTION 11. TOXICOLOGICAL INFORMATION

Route of entry: Inhalation, ingestion, eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Distillates (petroleum), hydrotreated middle		5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Mineral oil	> 5 mg/L (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Stoddard solvent	> 5000 mg/m ³ (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 2 mg/kg (rabbit)

Skin Corrosion/Irritation

Prolonged or repeated contact may cause mild irritation.

Serious Eye Damage/Irritation

May cause very mild irritation based on information for closely related chemicals.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Excessive inhalation of vapours may cause nasal and respiratory irritation. May cause headaches and irritation to the nose, throat, and lungs.

Ingestion

May cause gastrointestinal irritation and amounts may cause serious harm.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Signs and symptoms of exposure: Dizziness, drowsiness, narcosis, dermatitis, reddening of eyes, pneumonitis.

Exposure limits (TLV): 5 mg/m³.

Respiratory and/or Skin Sensitization

Not a skin sensitizer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Carcinogenicity: None.

Teratogenicity: Not determined.

Reproductive toxicity: Not determined.

Mutagenicity: Not determined.

Synergistic products : Not determined.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Mineral oil	> 100 mg/L (96-hour)			
Stoddard solvent	2.2 mg/L (Lepomis macrochirus (bluegill); 96-hour)			

Chronic Aquatic Toxicity

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Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Mineral oil	> 100 mg/L	> 10 mg/L		

Persistence and Degradability

No data available.

Mobility in Soil

No data available for this product

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.

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		S/O
IATA (Air)	1950	Aerosol class 2.1		S/O
US DOT	1950	Aerosol class 2.1		S/O

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

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Date of Last Revision mai 12, 2017
Revision Indicators The following SDS content was changed on août 02, 2016:
Section 8 - Exposure Controls/Personal Protection; Exposure Guidelines.
The following SDS content was changed on août 02, 2016:
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.
The following SDS content was changed on septembre 16, 2016:
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity.
Key to Abbreviations OSHA = US Occupational Safety and Health Administration
NTP = National Toxicology Program
NIOSH = National Institute for Occupational Safety and Health
References Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). 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). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
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