



# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 29/Mar/2017

Version: 1

Language: en-CA,US

Date of print: 10/Apr/2017

## Food-Grade Rust Loosener & Contact Liquid

Material number 151502

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### 1. Product and company identification

#### Product identifier

Trade name: Food-Grade Rust Loosener & Contact Liquid

#### Relevant identified uses of the substance or mixture and uses advised against

General use: Lubricant, rust dissolver.  
Reserved for industrial and professional use.

#### Details of the supplier of the safety data sheet

Company name: WEICON Inc.  
Street/POB-No.: 20 Steckle Place, Unit 20  
Postal Code, city: Kitchener, Ontario N2E 2C3, CA  
WWW: www.weicon.ca  
E-mail: info@weicon.ca  
Telephone: +1-519-896-5252  
Telefax: +1-519-896-5254  
Dept. responsible for information:  
Product-Safety-Department  
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

#### Emergency phone number

**EMERGENCY CONTACT – Canada (24h): Tel: ++1 866 928 0789 (Toll free)**

**Transport:**

**TRANSPORT EMERGENCY CONTACT - Canada (24h): Tel: ++1 866 928 0789 (Toll free)**

### 2. Hazards identification

#### Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: liquid  
Color: dark yellow  
Odor: characteristic  
Classification: Flammable Liquid 4; Aspiration Toxicity 1; Aquatic toxicity - chronic 3;  
Hazard symbols:



Signal word: **Danger**  
Hazard statements: Combustible liquid.  
May be fatal if swallowed and enters airways.  
Harmful to aquatic life with long lasting effects.

Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection.  
IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
Do NOT induce vomiting.  
In case of fire: Use Water fog, alcohol resistant foam, Extinguishing powder, carbon dioxide to extinguish.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents/container to hazardous or special waste collection point.



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### Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

### Hazards not otherwise classified

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterisation: Mixture of various active substances.

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 64742-48-9	Naphtha (petroleum), hydrotreated heavy	10 - 20 %	Aspiration Toxicity 1.
CAS 95-38-5	2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol	< 1 %	Acute Toxicity 4 (oral). Skin Corrosion 1B. Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.
CAS 110-25-8	(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	< 1 %	Acute Toxicity 4 (inhalative). Skin Irritation 2. Eye Damage 1. Aquatic toxicity - acute 1.

## 4. First aid measures

General information: Take off immediately all contaminated clothing and wash it before reuse.

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing.  
Seek medical attention.

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Consult a doctor if skin irritation persists.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After swallowing: Immediately get medical attention. Do not induce vomiting. Aspiration hazard: in case of swallowing or vomiting danger of penetration into the lungs. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

### Information to physician

Treat symptomatically.

## 5. Fire fighting measures

Flash point/flash point range:

62 °C

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

Water fog, alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet



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### Specific hazards arising from the chemical

May form dangerous gases and vapours in case of fire. Furthermore, there may develop: Nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide.  
Potentially explosive vapor/air mixtures may form.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Cool endangered containers with water jetspray. Do not allow fire water to penetrate into surface or ground water.

## 6. Accidental release measures

Personal precautions: Provide adequate ventilation. Do not breathe gas/vapor/spray. Avoid contact with the substance. Wear appropriate protective equipment.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains.  
If necessary notify appropriate authorities.

Methods for clean-up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe gas/vapor/spray.  
Avoid contact with skin and eyes. Wear appropriate protective equipment.  
Take off immediately all contaminated clothing and wash it before reuse. Keep unprotected people away.

Precautions against fire and explosion:

Keep away from heat.  
When handling larger quantities, take precautionary measures against electrostatic charging.

### Storage

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight.  
Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

## 8. Exposure controls / personal protection

### Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.  
See also information in chapter 7, section storage.

### Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Flame retardant, antistatic and chemical resistant protective clothing.



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Protective gloves according to OSHA Standard - 29 CFR: 1910.138 (Solvent resistant protective gloves).

Glove material: Nitrile rubber - Layer thickness: 0.4 mm

Breakthrough time: 60 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product.

If higher concentrations occur: Wear self-contained breathing apparatus.

General hygiene considerations:

Do not breathe gas/vapor/spray. Avoid contact with skin and eyes.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Color: dark yellow
Odor:	characteristic
Odor threshold:	not determined
pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	187 °C
Flash point/flash point range:	62 °C
Evaporation rate:	No data available
Flammability:	Combustible liquid.
Explosion limits:	LEL (Lower Explosion Limit): 0.70 Vol-% UEL (Upper Explosive Limit): 6.00 Vol-%
Vapor pressure:	at 20 °C: 1 hPa
Vapor density:	not determined
Density:	at 20 °C: 0.856 g/mL
Solubility:	not determined
Water solubility:	slightly soluble
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No data available
Viscosity, dynamic:	not determined
Viscosity, kinematic:	not determined
Explosive properties:	not explosive
Ignition temperature:	236 °C
Solvent content:	16.9 %
Solid content:	83.1 %

## 10. Stability and reactivity

Reactivity: No data available



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- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions  
No hazardous reaction when handled and stored according to provisions.
- Conditions to avoid: Keep away from heat sources, sparks and open flames.  
Protect against direct sunlight.
- Incompatible materials: No data available
- Hazardous decomposition products:  
No decomposition when used properly.
- Thermal decomposition: No data available

## 11. Toxicological information

### Toxicological tests

- Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.
- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Aspiration Toxicity 1 = May be fatal if swallowed and enters airways.
- Other information: Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:  
LD50 Rat, oral: > 5000 mg/kg (OECD 401)  
LD50, Rabbit, dermal: > 2000 mg/kg (OECD 402)  
LC50, Rat, inhalative (Aerosol): > 5 mg/L (OECD 403)

### Symptoms

- After contact with skin:  
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
- After eye contact: Minor irritation effect - does not require labeling.

### General remarks

- Further hazardous properties cannot be excluded.



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## 12. Ecological information

### Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.  
Information about Naphtha (petroleum), hydrotreated heavy  
Algae toxicity:  
EL0 Pseudokirchneriella subcapitata (green algae): 1000 mg/L/96h  
Daphnia toxicity:  
EL0 Daphnia magna (Big water flea) 1000 mg/L/48h  
Fish toxicity:  
LL0 Oncorhynchus mykiss: 1000 mg/L/96h

Further details: Information about Naphtha (petroleum), hydrotreated heavy:  
Biodegradation: 2-4 % /28 d (OECD 301 B).  
Product is biodegradable with difficulty.

### Mobility in soil

No data available

### Persistence and degradability

Further details: No data available

### Additional ecological information

Volatile organic compounds (VOC):  
16.9 % by weight = 144.7 g/L

General information: Do not allow to penetrate into soil, waterbodies or drains.

## 13. Disposal considerations

### Product

Recommendation: Do not dispose of with household waste. Dispose of waste according to applicable legislation.

### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.  
Non-contaminated packages may be recycled.

## 14. Transport information

### USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

### Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

### Sea transport (IMDG)

Proper shipping name: Not restricted  
Marine pollutant: no

### Air transport (IATA)

Proper shipping name: Not restricted

### Further information

No dangerous good in sense of these transport regulations.



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### 15. Regulatory information

#### National regulations - Canada

No data available

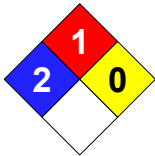
#### National regulations - U.S. Federal Regulations

Naphtha (petroleum), hydrotreated heavy:	TSCA Inventory: listed; EPA flags XU TSCA HPVC: not listed
2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol:	TSCA Inventory: listed TSCA HPVC: not listed
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine:	TSCA Inventory: listed TSCA HPVC: not listed

### 16. Other information

Text for labeling: Contains 10 - 20 % Naphtha (petroleum), hydrotreated heavy, < 1 %  
2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol, < 1 %  
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:  
Health: 2 (Moderate)  
Fire: 1 (Slight)  
Reactivity: 0 (Minimal)

HMIS Version III Rating:  
Health: 2 (Moderate)  
Flammability: 1 (Slight)  
Physical Hazard: 0 (Minimal)  
Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

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#### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.