



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 5/Aug/2016

Version: 2

Language: en-CA,US

Date of print: 11/Aug/2016

Mould Release Agent liquid

Material number 154500

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1. Product and company identification

Product identifier

Trade name: Mould Release Agent liquid

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

General use: Active ingredients, liquid
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: light yellow

Odor: solvent-like

Classification: Flammable Liquid 2; Skin Irritation 2; Aspiration Toxicity 1; Aquatic toxicity - chronic 2;

Hazard symbols:



Signal word:

Danger

Hazard statements:

Highly flammable liquid and vapor.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Toxic to aquatic life with long lasting effects.



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Precautionary statements: Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing vapors/spray.
Wash hands and face thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
IF ON SKIN: Wash with plenty of water/soap.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
Specific treatment (see ' First aid ' on this label).
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing.
In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.
Collect spillage.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

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

Higher doses may have a narcotic effect.
Potentially explosive mixtures may form if adequate ventilation is not provided.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Mixture containing: Oil and solvents

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 64742-49-0	Naphtha (petroleum), hydrotreated light, butadiene-free	75 - 100 %	Flammable Liquid 2. Skin Irritation 2. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.

Additional information: Naphtha (petroleum), hydrotreated light, < 0,1% benzene > 30% aliphatic hydrocarbons

4. First aid measures

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



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- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen. If unconscious place in recovery position and seek medical advice. Immediately get medical attention.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. In case of skin reactions, consult a physician.
- 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: Do not induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard: in case of swallowing or vomiting danger of penetration into the lungs. Immediately get medical attention.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Irritates skin and mucous membranes. May cause drowsiness or dizziness. Inhalation causes narcotic effects/intoxication. Dizziness, fatigue, headache. May cause respiratory irritation. Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

-9 °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:

High power water jet

Specific hazards arising from the chemical

Highly flammable liquid and vapor. Do not expose to high temperature. Danger of bursting and explosion. Cool exposed containers with water spray. May form dangerous gases and vapours in case of fire. 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. In case of leakage, eliminate all ignition sources. Wear appropriate protective equipment. Keep unprotected people away. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. In case of release, notify competent authorities. Danger of explosion!



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Methods for clean-up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).
Beware of reignition. Thoroughly clean surrounding area.

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.

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. Keep unprotected people away.
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Take off immediately all contaminated clothing and wash it before reuse.

Precautions against fire and explosion:
Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Use only explosion-protected equipment/instruments. Do not weld.
In partially filled containers explosive mixtures may form. Vapors may form explosive mixtures with air.

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. Keep at temperature not exceeding 50 °C.
Store containers in upright position. Explosion protection required. Store locked up.

Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

Type	Limit value
Canada, Alberta: OEL 15 min	10 mg/m ³ Oil mist mineral
Canada, Alberta: OEL 8 hour	5 mg/m ³ Oil mist mineral
Canada, BC: OEL TWA	0.2 mg/m ³ Oil mist mineral
Canada, BC: OEL TWA	1 mg/m ³ Oil mist mineral, (mineral, severely refined)
Canada, Ontario: OEL TWA	5 mg/m ³ Oil mist mineral
Canada, Québec: VECD	10 mg/m ³ Oil mist mineral
Canada, Québec: VEMP	5 mg/m ³ Oil mist mineral
USA: NIOSH: STEL	10 mg/m ³ Oil mist mineral
USA: NIOSH: TWA	5 mg/m ³ Oil mist mineral
USA: OSHA: TWA	5 mg/m ³ Oil mist mineral

Engineering controls

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



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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. Protective gloves according to OSHA Standard - 29 CFR: 1910.138 (Solvent resistant protective gloves). Glove material: Nitrile rubber Breakthrough time: 480 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:	Use non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. 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: light yellow
Odor:	solvent-like
Odor threshold:	No data available
pH value:	not determined
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	78 °C
Flash point/flash point range:	-9 °C
Evaporation rate:	No data available
Flammability:	highly flammable liquid and vapour
Explosion limits:	LEL (Lower Explosion Limit): 0.80 Vol-% UEL (Upper Explosive Limit): 7.70 Vol-%
Vapor pressure:	at 20 °C: 246 hPa
Vapor density:	not determined
Density:	0.749 g/mL
Solubility:	not determined
Water solubility:	at 20 °C: not/slightly miscible
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	not determined
Viscosity, kinematic:	not determined
Explosive properties:	Product is not explosive. Potentially explosive vapor/air mixtures may form.
Ignition temperature:	200 °C



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Solvent content: 83.3 %

10. Stability and reactivity

- Reactivity: Highly flammable liquid and vapor.
Vapors may form explosive mixtures with air.
- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions
Do not expose to high temperature. Danger of bursting and explosion.
- Conditions to avoid: Keep away from heat sources, sparks and open flames.
Protect from direct exposure to sunlight and temperatures exceeding 50 °C.
- Incompatible materials: Do not store together with combustible or self-igniting materials or any highly flammable solids.
- Hazardous decomposition products:
May form dangerous gases and vapours in case of fire.
Carbon monoxide and carbon dioxide
- Thermal decomposition: No decomposition when used properly.

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): Based on available data, the classification criteria are not met.
- Acute toxicity (dermal): Based on available data, the classification criteria are not met.
- Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
- Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.
- Information about Naphtha (petroleum), hydrotreated light
Specific symptoms in animal studies (Rabbit): Irritant
- Eye damage/irritation: Based on available data, the classification criteria are not met.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- 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.
- Information about Naphtha (petroleum), hydrotreated light
Depression of central nervous system
- 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 Naphtha (petroleum), hydrotreated light
LD50 Rat, oral: > 5000 mg/kg (OECD 401)
LD50, Rabbit, dermal: > 2000 mg/kg (OECD 402)
LC50, Rat, inhalative: > 25 mg/L



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12. Ecological information

Ecotoxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.
Information about Naphtha (petroleum), hydrotreated light
Algae toxicity:
EL50 Pseudokirchneriella subcapitata (green algae): 56 mg/L/72h (OECD 201)
Daphnia toxicity:
EL50 Daphnia magna (Big water flea): 4.5 mg/L/48h (OECD 202)
Fish toxicity:
LL50 Leuciscus idus: 4.5 mg/L/96h (OECD 203)

Further details: Information about Naphtha (petroleum), hydrotreated light:
Biodegradation: 77.05 % /28 d (OECD 301 F). Easily bio-degradable.

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):
83.3 % by weight = 623.9 g/L

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

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle empty containers with care. Incineration may cause explosion.

14. Transport information

USA: Department of Transportation (DOT)

Identification number: UN3295
Proper shipping name: UN 3295, HYDROCARBONS, LIQUID, N.O.S., mixture
Hazard class or Division: 3
Packing Group: II
Labels: 3
Special provisions: 144, IB2, T7, TP1, TP8, TP28
Packaging – Exceptions: 150
Packaging – Non-bulk: 202
Packaging – Bulk: 242
Quantity limitations – Passenger aircraft / rail: 5 L
Quantity limitations – Cargo only: 60 L
Vessel stowage – Location: B





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Canada: Transportation of Dangerous Goods (TDG)

UN Number: UN3295
Shipping name: UN 3295, HYDROCARBONS, LIQUID, N.O.S., mixture
TDG class: 3
Packing group: II
Explosive limit and limited quantity index: 1 L
Passenger carrying road or rail index: 5 L

Sea transport (IMDG)

UN number: UN 3295
Proper shipping name: UN 3295, HYDROCARBONS, LIQUID, N.O.S., mixture
Class or division, Subsidiary risk: Class 3, Subrisk-
Packing Group: II
EmS: F-E, S-D
Special provisions: -
Limited quantities: 1 L
Excepted quantities: E2
Contaminated packaging - Instructions: P001
Contaminated packaging - Provisions: -
IBC - Instructions: IBC02
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T7
Tank instructions - Provisions: TP1, TP8, TP28
Stowage and handling: Category B.
Properties and observations: Immiscible with water.
Marine pollutant: yes
Segregation group: none

Air transport (IATA)

UN/ID number: UN 3295
Proper shipping name: UN 3295, HYDROCARBONS, LIQUID, N.O.S., mixture
Class or division, Subsidiary risk: Class 3
Packing Group: II
Hazard label: Flamm. liquid
Excepted Quantity Code: E2
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft: Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only: Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special provisions: A3 A324
Emergency Response Guide-Code (ERG): 3H

15. Regulatory information

National regulations - Canada

No data available

National regulations - U.S. Federal Regulations

Naphtha (petroleum), hydrotreated light, butadiene-free: TSCA Inventory: listed; UVCB
TSCA HPVC: not listed
TSCA: listed - UVCB

16. Other information

Text for labeling: Contains 75 - 100 % Naphtha (petroleum), hydrotreated light, butadiene-free. Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 4 (Severe)

Fire: 3 (Serious)

Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 4 (Severe)

Flammability: 3 (Serious)

Physical Hazard: 1 (Slight)

Personal Protection: X = Consult your supervisor

HEALTH	4
FLAMMABILITY	3
PHYSICAL HAZARD	1
	X

Reason of change:

Changes in section 1: General revision

Date of first version:

20/Feb/2016

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.