

Weicon GmbH

Revision date: 06.02.2010

Revision no.:

1,00

WEICONLOCK Activator F liquid

7619-0148

1. Product and Company Identification

Commercial product name

WEICONLOCK Activator F liquid

Further trade names

30700-2

Chemical characterization (Mixture)

Preparation with aliphatic hydrocarbons

Company/undertaking identification

Manufacturer

Weicon GmbH

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2. Hazards Identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

CAUTION !

Highly flammable

Irritant to eyes.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

3. Composition/Information on Ingredients

Hazardous components

CAS No.	Components	Quantity
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	60 - 80 %
64-17-5	ethanol, ethyl alcohol	30 - 40 %
1338-02-9	Naphthenic acids, copper salts	1 - 2.4 %

4. First Aid Measures

General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

After contact with skin

In case of contact with skin wash off with soap and water.

In case of irritation consult a physician.

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After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

Rinse out mouth and give plenty of water to drink.

5. Fire Fighting Measures

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

Sand

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:

Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters

Use breathing apparatus with independent air supply.

Additional information

Cool containers at risk with water spray jet.

6. Accidental Release Measures

Personal precautions

In case of vapour formation use respirator.

Keep away sources of ignition.

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains or bodies of water.

Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Take up residues with suitable absorbent materials.

Shovel into suitable container for disposal.

7. Handling and Storage

Handling

Advice on safe handling

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Pay attention to anti-explosion rules.

Take measures against electrostatic charging.

Vapours can form an explosive mixture with air.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Protect from heat and direct solar radiation.

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Protect from heat/overheating.

8. Exposure Controls/Personal Protection

Exposure limit values

Exposure limits

CAS No.	Components	ppm	mg/m ³	fib/cc	Category	Origin
64-17-5	Ethyl alcohol	1000	1900		TWA (8 h)	REL
	Ethyl alcohol (Ethanol)	1000	1900		TWA (8 h)	PEL
67-63-0	Isopropyl alcohol	400	980		TWA (8 h)	PEL
		400	980		TWA (8 h)	REL
		500	1225		STEL (15 min)	REL

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

At work do not eat, drink and smoke.

Wash hands and skin before breaks and after work.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

ANSI Z49.1 Safety in Welding, Cutting and allied processes.

Respiratory protection

Use suitable breathing apparatus if there is inadequate ventilation.

Hand protection

Protective gloves resistant to chemicals made of nitrile, Minimum coat thickness 0.11 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Dermatril L 741> made by www.kcl.de. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Eye protection

Safety goggles with side protection

Skin protection

Light protective clothing

9. Physical and Chemical Properties

Appearance

Form: Oily
 Color: Green
 Odor: Characteristic

Important health, safety and environmental information

pH-Value: n.a. Test method

Changes in the physical state

Boiling point: 80-100 °C

Flash point: 12 °C

Explosive properties

"The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated."

Lower explosion limits: 2 vol. %

Upper explosion limits: 18 vol. %

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Vapour pressure: (at 20 °C)	43 hPa DIN 51616
Density (at 20 °C):	0,8 g/cm ³ DIN 51757
Water solubility:	Soluble
Viscosity / dynamic: (at 20 °C)	1-2 mPa·s Brookfield

10. Stability and Reactivity

Stability

Stable

Conditions to avoid

Keep away from heat and sources of ignition.

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

Materials to avoid

Reactions with acids.

Reactions with oxidizing agents.

Reactions with reducing agents.

Reactions with alkalies.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Possibility of Hazardous Reactions

Will not occur

Additional information

No decomposition if used as directed.

11. Toxicological Information

Acute toxicity

LD50/oral : >2000 mg/kg Rat

Corrosive and irritant effects

Eye irritation: Low irritant - no labeling duty

Skin irritation: No primary but slight irritant effect on rabbits' skin

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Inhalation causes headache/nausea.

Empirical data on effects on humans

Inhalation of vapours in high concentration can cause narcotic effects.

Further information

Vapours may cause drowsiness and dizziness. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

12. Ecological Information

Ecotoxicity

No data available.

Further information

Do not discharge product unmonitored into the environment.

Product is not allowed to discharge into the ground water or aquatic environment.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations

Advice on disposal

Where possible recycling is preferred to disposal.

Product rests: send for disposal, e.g. special waste incineration.

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14. Transport Information**US DOT 49 CFR 172.101****Proper shipping name**

FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol)

ID Number:	UN1993
Hazard Class or Division:	3
Packing group:	II
Label:	3

Land transport (ADR/RID)

UN number:	1993
ADR/RID class:	3
Classification Code:	F1
Warning plate	
Hazard-no.:	33
Hazard label:	3



ADR/RID packing group:	II
Limited quantity:	LQ4

Description of the goods

FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol)

Other applicable information

Special provision.: 640C 649

Transport category.: 2

Tunnel restriction code.: D1E

Marine transport

UN number:	1993
IMDG code:	3
Marine pollutant:	P
Hazard label:	3



IMDG packing group:	II
EmS:	F-E, S-E
Limited quantity:	1 L

Description of the goods

FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol)

Other applicable information

Special provision.: 944

Air transport

UN/ID number:	1993
ICAO/IATA-DGR:	3
Hazard label:	3



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ICAO packing group:	II
Limited quantity Passenger:	1 L
IATA-packing instructions - Passenger:	305
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	307
IATA-max. quantity - Cargo:	60 L

Description of the goods

FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol)

Other applicable information

: Y305

15. Regulatory Information**U.S. Regulations****National Inventory TSCA**

All of the components are listed on the TSCA inventory.

SARA

This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372. Any such toxic chemical(s) are shown below.

Isopropanol, CAS No. 67-63-0 (max. 80%)

16. Other Information**Hazardous Materials Information Label (HMIS)**

Health:	1
Flammability:	3
Physical Hazard:	0

NFPA Hazard Ratings

Health:	1
Flammability:	3
Reactivity:	0
Unique Hazard:	

**Other data**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Literature:

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)