



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Jul/10/2017
Version: 1
Language: en-US
Date of print: Jul/18/2017

Screen-Cleaner

Material number 112080

Page: 1 of 11

1. Product and company identification

Product identifier

Trade name: Screen-Cleaner

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

General use: Technical aerosol

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 – USA (24h): Tel: ++1 202 464 2554

Transport:

TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: ++1 202 464 2554

2. Hazards identification

Emergency overview

Appearance: Form: Aerosol
Color: whitish
Odor: characteristic
Classification: Flammable Aerosol - Category 1; Compressed Gas;
Hazard symbols:



Signal word: **Danger**
Hazard statements: Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Precautionary statements: Keep out of reach of children.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Protect from sunlight. Store in a well-ventilated place.

Regulatory status

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



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Hazards not otherwise classified

Potentially explosive mixtures may form if adequate ventilation is not provided.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may lead to a narcotic effect.

Repeated exposure may cause skin dryness or cracking.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Mixture of synthetic resins and pigments in organic solvents

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 67-63-0	Isopropyl alcohol	1 - 10 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 192003-74-0	1-Propanaminium, N,N,N-trimethyl-3-(2-methyl-1-oxo-2-propenyl)amino)-, chloride, polymer with ethyl 2-propenoate and sodium 2-propenoate	< 1 %	Aquatic toxicity - chronic - Category 2.
CAS 74-98-6	Propane	1 - 10 %	Flammable Gas - Category 1. Compressed Gas.
CAS 106-97-8	Butane	1 - 10 %	Flammable Gas - Category 1. Compressed Gas.
CAS 75-28-5	Isobutane, pure	1 - 10 %	Flammable Gas - Category 1. Compressed Gas.

Additional information: Contains
- less than 5% nonionic surfactant
- 5% or over but less than 15% aliphatic hydrocarbons

4. First aid measures

General information: IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection!

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical attention.

Following skin contact: Wash with generous amount of water and soap. Take off contaminated clothing and wash it before reuse. 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. Subsequently seek the immediate attention of an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention.

Most important symptoms/effects, acute and delayed

Repeated exposure may cause skin dryness or cracking.



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Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

-76 °F

Auto-ignition temperature: not self-igniting

Suitable extinguishing media:

Water fog, alcohol resistant foam, dry chemical powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May form dangerous gases and vapours in case of fire. Furthermore, there may develop: Metal oxide smoke, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing. Do not breathe fumes.

Additional information:

Heating will lead to pressure increase: Danger of bursting and explosion. Cool exposed containers with water spray.

Move undamaged containers from immediate hazard area if it can be done safely.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions:

Avoid breathing spray. Avoid contact with the substance.

Eliminate all ignition sources if safe to do so. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

Cordon off downwind area at risk and warn inhabitants.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains. In case of release, notify competent authorities.

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).

Thoroughly clean surrounding area.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).



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7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

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 sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-63-0	Isopropyl alcohol	USA: ACGIH: STEL	984 mg/m ³ ; 400 ppm
		USA: ACGIH: TWA	492 mg/m ³ ; 200 ppm
		USA: NIOSH: STEL	1225 mg/m ³ ; 500 ppm
		USA: NIOSH: TWA	980 mg/m ³ ; 400 ppm
		USA: OSHA: TWA	980 mg/m ³ ; 400 ppm
74-98-6	Propane	USA: NIOSH: TWA	1800 mg/m ³ ; 1000 ppm
		USA: OSHA: TWA	1800 mg/m ³ ; 1000 ppm
106-97-8	Butane	USA: ACGIH: TWA	1000 ppm
		USA: NIOSH: TWA	1900 mg/m ³ ; 800 ppm
75-28-5	Isobutane, pure	USA: ACGIH: TWA	1000 ppm
		USA: NIOSH: TWA	1900 mg/m ³ ; 800 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
67-63-0	Isopropyl alcohol	USA: ACGIH-BEI, urine	40 mg/L	Acetone in urine	end of shift at end of workweek

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained 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** Wear suitable protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber - Layer thickness: ≥ 0.5 mm
Breakthrough time: > 240 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/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
- General hygiene considerations:**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not pierce or burn, even after use.
Do not breathe spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Work place should be equipped with a shower and an eye rinsing apparatus.

9. Physical and chemical properties

Information on basic physical and chemical properties

- Appearance:** Form: Aerosol
Color: whitish
- Odor:** characteristic
- Odor threshold:** No data available
- pH value:** 7
- Melting point/freezing point:** No data available
- Initial boiling point and boiling range:** not applicable
- Flash point/flash point range:** -76 °F
- Evaporation rate:** No data available
- Flammability:** Extremely flammable aerosol.
- Explosion limits:** No data available
- Vapor pressure:** at 68 °F: 4200 hPa
- Vapor density:** No data available
- Density:** at 68 °F: 0.97 g/mL
- Water solubility:** miscible
- Partition coefficient: n-octanol/water:** No data available
- Auto-ignition temperature:** not self-igniting
- Thermal decomposition:** No data available
- Explosive properties:** Vapors may form explosive mixtures with air. Contains gas under pressure; may explode if heated.
- Ignition temperature:** 689 °F



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10. Stability and reactivity

Reactivity:	Extremely flammable aerosol. Vapors may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Contains gas under pressure; may explode if heated.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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: Based on available data, the classification criteria are not met. 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: Lack of data.
Other information:	For carcinogenic effects: Information about Isopropyl alcohol CAS No. 67-63-0 IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed

General remarks

Further hazardous properties cannot be excluded.

12. Ecological information

Ecotoxicity

Further details:	No data available
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Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):

17.2 % by weight = 158 g/L

General information:

Do not allow to enter into ground-water, surface water or drains.

Avoid spills and leaks. Very small amounts contaminates drinking water.

13. Disposal considerations

Product

Recommendation: Do not pierce or burn, even after use.
Special waste. Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Empty carefully and completely, if possible. Handle empty containers with care.
Incineration may cause explosion.

14. Transport information

USA: Department of Transportation (DOT)

Identification number: UN1950
Proper shipping name: UN 1950, AEROSOLS
Hazard class or Division: 2.1
Labels: 2.1
Special provisions: N82
Packaging – Exceptions: 306
Packaging – Non-bulk: None
Packaging – Bulk: None
Quantity limitations – Passenger aircraft / rail: 75 kg
Quantity limitations – Cargo only: 150 kg
Vessel stowage – Location: A
Vessel stowage – Other: 25, 87, 126





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Sea transport (IMDG)

UN number: UN 1950
Proper shipping name: UN 1950, AEROSOLS
Class or division, Subsidiary risk: Class 2, Subrisk-, see SP63
Packing Group: -
EmS: F-D, S-U
Special provisions: 63, 190, 277, 327, 344, 381, 959
Limited quantities: See SP277
Excepted quantities: E0
Contaminated packaging - Instructions: P207, LP200
Contaminated packaging - Provisions: PP87, L2
IBC - Instructions: -
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: -
Tank instructions - Provisions: -
Stowage and handling: SW1 SW22
Segregation: SG69
Properties and observations: -
Marine pollutant: no
Segregation group: none

Air transport (IATA)

UN/ID number: UN 1950
Proper shipping name: UN 1950, AEROSOLS, flammable
Class or division, Subsidiary risk: Class 2.1
Hazard label: Flamm. gas
Excepted Quantity Code: E0
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special provisions: A145 A167 A802
Emergency Response Guide-Code (ERG): 10L



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15. Regulatory information

National regulations - U.S. Federal Regulations

Isopropyl alcohol:

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

NIOSH Recommendations:

Occupational Health Guideline: 0359

1-Propanaminium,
N,N,N-trimethyl-3-((2-methyl-1-oxo-2-propenyl)amino)-, chloride, polymer with ethyl 2-propenoate and sodium 2-propenoate:

TSCA Inventory: listed; EPA flags P; XU

TSCA HPVC: not listed

Propane:

TSCA Inventory: listed

TSCA HPVC: not listed

Clean Air Act:

Accidental Release Prevention: Threshold 10000 lbs. /

Basis for listing = f

NIOSH Recommendations:

Occupational Health Guideline: 0524

Butane:

TSCA Inventory: listed

TSCA HPVC: not listed

Clean Air Act:

Accidental Release Prevention: Threshold 10000 lbs. /

Basis for listing = f

NIOSH Recommendations:

Occupational Health Guideline: 0068*

Isobutane, pure:

TSCA Inventory: listed

TSCA HPVC: not listed

Clean Air Act:

Accidental Release Prevention: Threshold 10000 lbs. /

Basis for listing = f

NIOSH Recommendations:

Occupational Health Guideline: 0350*



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National regulations - U.S. State Regulations

Isopropyl alcohol:

Idaho Air Pollutant List:

Title 585: AAC: 49 -- EL: 65.3 -- WEL: 980 -Title 586: -
Massachusetts Haz. Substance codes: 2,4,5,6 F9

Minnesota Haz. Substance:

Codes: ANO -- Ratings: 7.84 -- Status: Title III. TRI.

New Jersey RTK Hazardous Substance:

DOT: 1219 - Sub No.: 1076 - TPQ: -

Pennsylvania Haz. Substance code: E

Washington Air Contaminant:

TWA: 400 ppm - 980 mg -- STEL: 500 ppm - 1225 mg

Propane:

California Proposition 65 code: -

Delaware Air Quality Management List:

DRQ: F 1000** - RQ State: State requirements differs
from Federal

Massachusetts Haz. Substance codes: 2,4,5,6

Minnesota Haz. Substance:

Codes: AP - Ratings: - - Status: Title III

New Jersey RTK Hazardous Substance:

DOT: 1978 - Sub No.: 1594 - TPQ: -

Pennsylvania Haz. Substance code: -

Washington Air Contaminant:

TWA: 1000 ppm - 1800 mg

Butane:

Delaware Air Quality Management List:

DRQ: F 1000** - RQ State: State requirements differs
from Federal

Massachusetts Haz. Substance codes: 4,5,6

Minnesota Haz. Substance:

Codes: A - Ratings: - - Status: Title III

New Jersey RTK Hazardous Substance:

DOT: 1011 - Sub No.: 0273 - TPQ: -

Pennsylvania Haz. Substance code: -

Washington Air Contaminant:

TWA: 800 ppm - 1900 mg

Isobutane, pure:

California Proposition 65 code: -

Delaware Air Quality Management List:

DRQ: F 1000** - RQ State: State requirements differs
from Federal

Massachusetts Haz. Substance codes: 6

New Jersey RTK Hazardous Substance:

DOT: 1969 - Sub No.: 1040 - TPQ: -

Pennsylvania Haz. Substance code: -

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling:

Contains 1 - 10 % Isopropyl alcohol, < 1 % 1-Propanaminium, N,N,N-trimethyl-3-((2-methyl-1-oxo-2-propenyl)amino)-, chloride, polymer with ethyl 2-propenoate and sodium 2-propenoate, 1 - 10 % Propane, 1 - 10 % Butane, 1 - 10 % Isobutane, pure. Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 4 (Severe)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 4 (Severe)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	0
	X

Date of first version: Jul/10/2017

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.