

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

Revision date: Aug/5/2016 Version: 2 Language: en-US Date of print: Aug/11/2016

Rust-Schock, Spray

Material number 111510 Page: 1 of 10

1. Product and company identification

Product identifier

Trade name: Rust-Schock, Spray

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: Physical state at 68 °F and 101.3 kPa: liquid

Form: Aerosol characteristic

Classification: Aerosol - Category 1; Eye Damage - Category 1;

Hazard symbols:

Odor:





Signal word: Danger

Hazard statements: Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye damage.

Precautionary statements: 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.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Regulatory status

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

W E I C O N

SAFETY DATA SHEET

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

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Hazards not otherwise classified

Exposure to temperatures exceeding 122 °F will increase pressure: resulting in danger of bursting or explosion.

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 have a narcotic effect. Danger of metabolic acidosis.

see section 11: Toxicological information

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 64-17-5	Ethanol	50 - 70 %	Flammable Liquid - Category 2.
CAS 71-23-8	Propan-1-ol	< 20 %	Flammable Liquid - Category 2. Eye Damage - Category 1. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 106-97-8	n-Butane, pure	10 - 20 %	Flammable Gas - Category 1. Compressed Gas.
CAS 74-98-6	Propane	1 - 10 %	Flammable Gas - Category 1. Compressed Gas.
CAS 75-28-5	Isobutane, pure	1 - 10 %	Flammable Gas - Category 1. Compressed Gas.

4. First aid measures

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

case of troubles.

Following skin contact: Wash with generous amount of water and soap. Take off contaminated clothing.

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.

Subsequently consult an ophthalmologist.

After swallowing: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek

medical treatment in case of troubles.

Most important symptoms/effects, acute and delayed

Causes serious eye damage.

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:

Atomized water, alcohol resistant foam, dry chemical powder, carbon dioxide

Extinguishing media which must not be used for safety reasons:

High power water jet



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Specific hazards arising from the chemical

Extremely flammable aerosol. Vapors form potentially explosive mixtures with air, which are heavier than air. Air-Vapor mixture may travel great distances at floor level and lead to backflash when exposed to an ignition source.

May form dangerous gases and vapours in case of fire. Furthermore, there may develop: 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: Do not expose to high temperature. Danger of bursting and explosion.

Cool endangered containers with water spray and, if possible, remove from danger zone.

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: In case of leakage, eliminate all ignition sources.

Provide adequate ventilation. Do not breathe vapor or spray.

Wear appropriate protective equipment. Avoid contact with skin and eyes. Change

contaminated clothing.

Environmental precautions:

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

competent authorities.

Methods for clean-up: Take up with non-flammable, liquid binding material (e.g. sand/earth/diatomaceous

earth/vermiculit) and perform disposal according to instructions.

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.

Use only in well-ventilated areas. Do not breathe vapor or spray.

Wear appropriate protective equipment. Avoid contact with skin and eyes. Change

contaminated clothing.

Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.

Use non-sparking tools. Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and

direct sunlight.

Keep only in the original container.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

Do not store together with combustible or self-igniting materials or any highly flammable

solids.



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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

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CAS No.	Designation	Туре	Limit value
64-17-5	Ethanol	USA: ACGIH: TWA USA: NIOSH: TWA USA: OSHA: TWA	1000 mg/m³ (A3) 1900 mg/m³; 1000 ppm 1900 mg/m³; 1000 ppm
71-23-8	Propan-1-ol	USA: ACGIH: TWA USA: NIOSH: STEL	246 mg/m³; 100 ppm 625 mg/m³; 250 ppm (May be absorbed through the skin.)
		USA: NIOSH: TWA	500 mg/m³; 200 ppm (May be absorbed through the skin.) 500 mg/m³; 200 ppm
106-97-8	n-Butane, pure	USA: ACGIH: TWA USA: NIOSH: TWA	2370 mg/m³; 1000 ppm 1900 mg/m³; 800 ppm
74-98-6	Propane	USA: NIOSH: TWA USA: OSHA: TWA	1800 mg/m³; 1000 ppm 1800 mg/m³; 1000 ppm
75-28-5	Isobutane, pure	USA: ACGIH: TWA	2370 mg/m³; 1000 ppm
		USA: NIOSH: TWA	1900 mg/m³; 800 ppm

Engineering controls

Provide good ventilation and/or an exhaust system in the work area. 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 Wear suitable protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Butyl caoutchouc (butyl rubber) - Layer thickness: >= 0.7 mm

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:

Keep away from heat sources, sparks and open flames.

Do not breathe vapor or spray. Use only in well-ventilated areas. Change contaminated clothing. Avoid contact with skin and eyes.

When using do not eat, drink or smoke. Wash hands before breaks and after work.

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: Physical state at 68 °F and 101.3 kPa: liquid

Form: Aerosol



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Odor: characteristic No data available Odor threshold:

not applicable pH value: Melting point/freezing point: no data available not applicable Initial boiling point and boiling range: -76 °F

Flash point/flash point range:

Evaporation rate: No data available

Flammability: Extremely flammable aerosol.

Explosion limits: LEL (Lower Explosion Limit): 1.50 Vol-%

UEL (Upper Explosive Limit): 15.00 Vol-%

at 68 °F: 2700 hPa Vapor pressure: No data available Vapor density: at 68 °F: 0.71 g/cm3 Density:

Water solubility: miscible

Partition coefficient: n-octanol/water: No data available not self-igniting Auto-ignition temperature: No data available Thermal decomposition:

Viscosity, dynamic: no data available no data available Viscosity, kinematic:

Product is not explosive. Potentially explosive vapor/air mixtures may form. Explosive properties:

680°F Ignition temperature:

10. Stability and reactivity

Extremely flammable aerosol. Reactivity:

Vapors may form explosive mixtures with air.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions

Container under pressure.

Do not expose to high temperature. Danger of bursting and explosion.

Keep away from heat sources, sparks and open flames. Conditions to avoid:

Protect from direct exposure to sunlight and temperatures exceeding 122 °F.

Do not store together with combustible or self-igniting materials or any highly flammable Incompatible materials:

solids.

Hazardous decomposition products:

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

No data available Thermal decomposition:



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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: Lack of data.

Eye damage/irritation: Eye Damage - Category 1 = Causes serious eye damage. Sensitisation to the respiratory tract: Based on available data, the classification criteria

are not met

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.

Symptoms

In case of inhalation:

Inhaling can lead to irritations of the respiratory tract and mucous membrane.

Higher doses may have a narcotic effect.

After contact with skin: Information about Ethanol:

Prolonged/repetitive skin contact may cause skin defattening or dermatitis.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

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

13. Disposal considerations

Product

Recommendation: Special waste. Do not open with force or incinerate, even when empty.

Dispose of waste according to applicable legislation.

Do not dispose of with household waste.



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Contaminated packaging

Recommendation: Empty carefully and completely, if possible.

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)

Identification number: UN1950

Proper shipping name: UN 1950, AEROSOLS

Hazard class or Division:

Labels:

Special provisions:

Packaging – Exceptions:

Packaging – Non-bulk:

Packaging – Bulk:

Quantity limitations – Passenger aircraft / rail:

75 kg

Quantity limitations – Cargo only: 150 kg
Vessel stowage – Location: A

Vessel stowage – Other: 25, 87, 126

Sea transport (IMDG)

UN number: UN 1950

Proper shipping name: UN 1950, AEROSOLS
Class or division, Subsidary risk: Class 2, Subrisk-, see SP63

Packing Group:

EmS: F-D, S-U

Special provisions: 63, 190, 277, 327, 344, 959

Limited quantities: See SP277

Excepted quantities: E0

Contaminated packaging - Instructions: P207, LP02
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, Subsidary 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

Ethanol: TSCA Inventory: listed

TSCA HPVC: not listed

TSCA: listed

NIOSH Recommendations:

Occupational Health Guideline: 0262

Propan-1-ol: TSCA Inventory: listed

TSCA HPVC: not listed NIOSH Recommendations:

Occupational Health Guideline: 0533

n-Butane, 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: 0068*

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

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

Ethanol: California Proposition 65 code: -

Idaho Air Pollutant List:

Title 585: AAC: 94 - EL: 125 - OEL: 1880 - Title 586: - Massachusetts Haz. Substance codes: 2,4,5,6 *T1*

Minnesota Haz. Substance:
Codes: AO - Ratings: 7.74
Pennsylvania Haz. Substance code: Washington Air Contaminant:
TWA: 1000 ppm - 1900 mg

Propan-1-ol: Idaho Air Pollutant List:

Title 585: AAC: 25 - EL: 33.3 - OEL: 500 - Title 586: -

Massachusetts Haz. Substance codes: 2,4,6

Minnesota Haz. Substance: Codes: AO - Ratings: -

Pennsylvania Haz. Substance code: -

Washington Air Contaminant:

TWA: 200 ppm - 500 mg - STEL: 250 ppm - 625 mg

Skin: Protective measures should be taken to prevent or reduce skin

absorption.

n-Butane, pure: 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 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

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:

Propane:

16. Other information

Text for labeling: Contains 50 - 70 % Ethanol, < 20 % Propan-1-ol, 10 - 20 % n-Butane, pure, 1 - 10 %

Propane, 1 - 10 % Isobutane, pure. Safety data sheet available on request.

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Hazard rating systems:

NFPA Hazard Rating: Health: 3 (Serious) Fire: 4 (Severe) Reactivity: 1 (Slight) HMIS Version III Rating: Health: 3 (Serious) Flammability: 4 (Severe)

Personal Protection: X = Consult your supervisor

Changes in section 1: General revision Reason of change:

Sep/23/2015 Date of first version: Department issuing data sheet

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

Physical Hazard: 1 (Slight)

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.

