

Rust Converter

Material number 111550

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1. Product and company identification

Product identifier

Trade name: Rust Converter

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 – 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
Form: Aerosol
Odor: No data available
Classification: Flammable Aerosol 1; Compressed Gas; Skin Irritation 2; Eye Damage 1; Sensitization - skin 1; Specific Target Organ Toxicity (Single Exposure) 3; Specific Target Organ Toxicity (Repeated Exposure) 2; Aspiration Toxicity 1;

Hazard symbols:



Signal word:

Danger

Hazard statements:

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.



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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.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of water/soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
Specific treatment (see ' First aid ' on this label).
Do NOT induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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

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



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3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 67-64-1	Acetone	10 - 25 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 1330-20-7	Xylene (isomeric mixture)	10 - 25 %	Flammable Liquid 3. Acute Toxicity 4 (dermal). Acute Toxicity 4 (inhalative). Skin Irritation 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3. Specific Target Organ Toxicity (Repeated Exposure) 2. Aspiration Toxicity 1.
CAS 67-63-0	Isopropyl alcohol	2.5 - 10 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 107-98-2	1-Methoxy-2-propanol	2.5 - 10 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 71-36-3	Butan-1-ol	2.5 - 10 %	Flammable Liquid 3. Acute Toxicity 4 (oral). Skin Irritation 2. Eye Damage 1. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 25036-25-3	4,4'-isopropylidenediphenol, polymer with 2,2-bis(p-(2,3-epoxypropoxy)phenyl)propane	1 - 2.5 %	Skin Irritation 2. Eye Irritation 2A. Sensitization - skin 1.
CAS 78-83-1	Isobutanol	< 1 %	Flammable Liquid 3. Skin Irritation 2. Eye Damage 1. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 115-10-6	Dimethyl ether	25 - 50 %	Flammable Gas 1. Compressed Gas.

4. First aid measures

General information:	IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection! Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.
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.



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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. Immediately call a POISON CENTER/doctor.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.

Information to physician

Treat symptomatically. When swallowed and vomited immediately, aspiration into the lungs may occur resulting in chemical pneumonia or suffocation.

5. Fire fighting measures

Flash point/flash point range:

not applicable

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, extinguishing powder, sand, 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: 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:

Eliminate all ignition sources if safe to do so.

Provide adequate ventilation. Do not breathe vapor or spray.

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

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.



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

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. Work place should be equipped with a shower and an eye rinsing apparatus.
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.

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.



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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-64-1	Acetone	Canada, Alberta: OEL 15 min	1800 mg/m ³ ; 750 ppm
		Canada, Alberta: OEL 8 hour	1200 mg/m ³ ; 500 ppm
		Canada, BC: OEL STEL	500 ppm
		Canada, BC: OEL TWA	250 ppm
		Canada, Québec: VECD	2380 mg/m ³ ; 1000 ppm
		Canada, Québec: VEMP	1190 mg/m ³ ; 500 ppm
		USA: ACGIH: STEL	500 ppm
		USA: ACGIH: TWA	250 ppm
		USA: NIOSH: TWA	590 mg/m ³ ; 250 ppm
		USA: OSHA: TWA	2400 mg/m ³ ; 1000 ppm
1330-20-7	Xylene (isomeric mixture)	Canada, Alberta: OEL 15 min	651 mg/m ³ ; 150 ppm
		Canada, Alberta: OEL 8 hour	434 mg/m ³ ; 100 ppm
		Canada, BC: OEL STEL	150 ppm
		Canada, BC: OEL TWA	100 ppm
		Canada, Québec: VECD	651 mg/m ³ ; 150 ppm
		Canada, Québec: VEMP	434 mg/m ³ ; 100 ppm
		USA: ACGIH: STEL	651 mg/m ³ ; 150 ppm
		USA: ACGIH: TWA	434 mg/m ³ ; 100 ppm
		USA: NIOSH: STEL	655 mg/m ³ ; 150 ppm
		USA: NIOSH: TWA	435 mg/m ³ ; 100 ppm
67-63-0	Isopropyl alcohol	Canada, Alberta: OEL 15 min	984 mg/m ³ ; 400 ppm
		Canada, Alberta: OEL 8 hour	492 mg/m ³ ; 200 ppm
		Canada, BC: OEL STEL	400 ppm
		Canada, BC: OEL TWA	200 ppm
		Canada, Québec: VECD	1230 mg/m ³ ; 500 ppm
		Canada, Québec: VEMP	985 mg/m ³ ; 400 ppm
		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
107-98-2	1-Methoxy-2-propanol	Canada, Alberta: OEL 15 min	553 mg/m ³ ; 150 ppm
		Canada, Alberta: OEL 8 hour	369 mg/m ³ ; 100 ppm
		Canada, BC: OEL STEL	75 ppm
		Canada, BC: OEL TWA	50 ppm
		Canada, Québec: VECD	553 mg/m ³ ; 150 ppm
		Canada, Québec: VEMP	369 mg/m ³ ; 100 ppm
		USA: ACGIH: STEL	369 mg/m ³ ; 100 ppm
		USA: ACGIH: TWA	184 mg/m ³ ; 50 ppm
		USA: NIOSH: STEL	540 mg/m ³ ; 150 ppm
		USA: NIOSH: TWA	360 mg/m ³ ; 100 ppm



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CAS No.	Designation	Type	Limit value
71-36-3	Butan-1-ol	Canada, Alberta: OEL 8 hour	60 mg/m ³ ; 20 ppm
		Canada, BC: OEL Ceiling	30 ppm
		Canada, BC: OEL TWA	15 ppm
		Canada, Québec: Plafond	152 mg/m ³ ; 50 ppm (may be absorbed through the skin)
		NIOSH: Ceiling	150 mg/m ³ ; 50 ppm (may be absorbed through the skin)
78-83-1	Isobutanol	USA: ACGIH: TWA	61 mg/m ³ ; 20 ppm
		USA: OSHA: TWA	300 mg/m ³ ; 100 ppm
		Canada, Alberta: OEL 8 hour	152 mg/m ³ ; 50 ppm
		Canada, BC: OEL TWA	50 ppm
		Canada, Québec: VEMP	152 mg/m ³ ; 50 ppm
115-10-6	Dimethyl ether	USA: ACGIH: TWA	152 mg/m ³ ; 50 ppm
		USA: NIOSH: TWA	150 mg/m ³ ; 50 ppm
		USA: OSHA: TWA	300 mg/m ³ ; 100 ppm
		Canada, BC: OEL TWA	1000 ppm

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
67-64-1	Acetone	USA: ACGIH-BEI, urine	25 mg/L	acetone	end of exposure or end of shift
1330-20-7	Xylene (isomeric mixture)	USA: ACGIH-BEI, urine	1.5 g/g creatinine	Methylhippuric acids	end of exposure or end of shift
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.

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: >= 0.4 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.



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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 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.

Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Form: Aerosol
Odor:	No data available
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	-24 °C
Flash point/flash point range:	not applicable
Evaporation rate:	not applicable
Flammability:	Extremely flammable aerosol.
Explosion limits:	LEL (Lower Explosion Limit): 1.10 Vol-% UEL (Upper Explosive Limit): 20.00 Vol-%
Vapor pressure:	at 20 °C: 5200 hPa
Vapor density:	No data available
Density:	0.795 g/cm ³
Water solubility:	slightly miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Explosive properties:	Vapors may form explosive mixtures with air. Contains gas under pressure; may explode if heated.
Ignition temperature:	235 °C
Solvent content:	84.9 %
Solid content:	10.5 %
Water content:	4.4 %

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.



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- 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: Carbon monoxide and carbon dioxide.
- 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): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 5000 mg/kg.
- Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 5000 mg/kg.
- Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix (calculated): > 20 mg/L. (vapors)
- Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.
- Serious eye damage/irritation: Eye Damage 1 = Causes serious eye damage.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Sensitization - skin 1 = May cause an allergic skin reaction.
- 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): Specific Target Organ Toxicity (Single Exposure) 3 = May cause drowsiness or dizziness.
- Specific target organ toxicity (repeated exposure): Specific Target Organ Toxicity (Repeated Exposure) 2 = May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard: Aspiration Toxicity 1 = May be fatal if swallowed and enters airways.
- Other information: Information about Acetone:
LD50 Rat, oral: 5800 mg/kg
LD50 Rat, dermal: 7800 mg/kg
LD50 Rat, inhalative: > 20 mg/L/4h
- Information about Xylene (isomeric mixture):
LD50 Rat, oral: 4300 mg/kg
LD50 Rabbit, dermal: 2000 mg/kg
- For carcinogenic effects:
Information about Xylene (isomeric mixture):
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
- Information about Isopropyl alcohol:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed



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Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

General remarks

Further hazardous properties cannot be excluded.

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

Volatile organic compounds (VOC):

85 % by weight = 667 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, 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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Canada: Transportation of Dangerous Goods (TDG)

UN Number: UN1950
Shipping name: UN 1950, AEROSOLS
TDG class: 2.1
Special provisions: 80, 107
Explosive limit and limited quantity index: 1 L
Passenger carrying road or rail index: 75 L

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

15. Regulatory information

National regulations - Canada

No data available



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National regulations - U.S. Federal Regulations

Acetone:

TSCA Inventory: listed
TSCA HPVC: not listed
Clean Air Act:
SOCMI Chemical: yes
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
RCRA Hazardous Wastes: Code U002
RCRA Groundwater Monitoring: Methods 8240 / PQL 100
NIOSH Recommendations:
Occupational Health Guideline: 0004*

Xylene (isomeric mixture):

TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Clean Air Act:
Hazardous Air Pollutants: Code XOY
SOCMI Chemical: yes
Clean Water Act:
Hazardous Substances: RQ 100 lbs.
Other Environmental Laws:
CERCLA: RQ 100 lbs.
RCRA Hazardous Wastes: Code U239
RCRA Groundwater Monitoring: Methods 8020, 8240 / PQL 5, 5
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard

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-Methoxy-2-propanol:

TSCA Inventory: listed
TSCA HPVC: not listed
Clean Air Act:
SOCMI Chemical: yes
NIOSH Recommendations:
Occupational Health Guideline: 0536

Butan-1-ol:

TSCA Inventory: listed
TSCA HPVC: not listed
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
RCRA Hazardous Wastes: Code U031
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0076

4,4'-isopropylidenediphenol, polymer with 2,2-bis(p-(2,3-epoxypropoxy)phenyl)propane:

TSCA Inventory: listed; EPA flags XU
TSCA HPVC: not listed
TSCA: listed - Flags: XU



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Isobutanol:

TSCA Inventory: listed
TSCA HPVC: not listed
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
RCRA Hazardous Wastes: Code U140
RCRA Groundwater Monitoring: Methods 8015 /
PQL 50
NIOSH Recommendations:
Occupational Health Guideline: 0352

Dimethyl ether:

TSCA Inventory: listed
TSCA HPVC: not listed
TSCA listed
Clean Air Act:
Accidental Release Prevention: Threshold 10000
lbs. / Basis for listing = f
SOCMI Chemical: yes



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National regulations - U.S. State Regulations

Acetone:	California Prop 65 List: None Delaware Air Quality Management List: DRQ: 5000 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585: AAC: 89 - EL: 119 - OEL: 1780 Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9 Minnesota Haz. Substance: Codes: AON - Ratings: 7.16 - Status: Title III New York List of Hazardous Substances: RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical. Pennsylvania Haz. Substance code: E Washington Air Contaminant: TWA: 750 ppm - 1800 mg - STEL: 1000 ppm - 2400 mg
Xylene (isomeric mixture):	Delaware Air Quality Management List: DRQ: 100 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585 -- Title 586 -- Maine Hazardous Air Pollutants: Me 2005: HAP - Hap Rpt: 2000 Massachusetts Haz. Substance codes: 2,4 F8 F9 Michigan Critical Material: Note: - CMR: 44 - Parameter: 01330-20-7 - Annual Usage Parameter: 100 Minnesota Haz. Substance: Codes: ANO - Ratings: 8.77 - Status: Air Pollutant. Title III. TRI. New Jersey RTK Hazardous Substance: DOT: 1307 - Sub No.: 2014 - TPQ: - New York List of Hazardous Substances: RQ -- Air: 1000 - RQ -- Land: 1 - Note: No Note Associated with this chemical. Pennsylvania Haz. Substance code: E Washington Air Contaminant: TWA: 100 ppm / 435 mg - STEL: 150 ppm / 655 mg
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
1-Methoxy-2-propanol:	Idaho Air Pollutant List: Title 585: AAC: 18 - EL: 24 - OEL: 360 - Title 586: - Massachusetts Haz. Substance codes: 4,6 F8 Minnesota Haz. Substance: Codes: A - Ratings: 8.12 - Status: - Pennsylvania Haz. Substance code: - Washington Air Contaminant: TWA: 100 ppm - 360 mg - STEL: 150 ppm - 540 mg



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

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Butan-1-ol:	California Proposition 65 code: - Delaware Air Quality Management List: DRQ: 5000 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585: AAC: 7.5 - EL: 10 - OEL: 150 - Title 586: - Main Hazardous Air Pollutants: Me 2005: HAP - Hap Rpt: 2000 Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9 Minnesota Haz. Substance: Codes: AO - Ratings: 7.5 - Status: III. TRI. New Jersey RTK Hazardous Substance: DOT: 1120 - Sub No.: 1330 - TPQ: - New York List of Hazardous Substances: RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical. Pennsylvania Haz. Substance code: E Washington Air Contaminant: Ceiling: 50 ppm - 150 mg Skin: Protective measures should be taken to prevent or reduce skin absorption.
Isobutanol:	California Proposition 65 code: - Delaware Air Quality Management List: DRQ: 5000 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585: AAC: 6 - EL: 10 - OEL: 150 - Title 586: - Massachusetts Haz. Substance codes: 2,4,6 F8 Minnesota Haz. Substance: Codes: AO - Ratings: -- - Status: Title III. New York List of Hazardous Substances: RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical. Pennsylvania Haz. Substance code: E Washington Air Contaminant: TWA: 50 ppm - 150 mg
Dimethyl ether:	California Proposition 65 code: - Delaware Air Quality Management List: DRQ: F 1000** - RQ State: State requirements differs from Federal Massachusetts Haz. Substance codes: 5,6 Minnesota Haz. Substance: Codes: I - Ratings: -- - Status: Title III. New Jersey Extraordinarily Hazardous Substances: EPA Threshold: 10000 NJ Threshold / Group: -- NJ Table: I Part C - NJ Basis: Not on List New Jersey RTK Hazardous Substance: DOT: 1033 - Sub No.: 0758 - TPQ: - Pennsylvania Haz. Substance code: -

16. Other information

Text for labeling:	Contains 10 - 25 % Acetone, 10 - 25 % Xylene (isomeric mixture), 2.5 - 10 % Isopropyl alcohol, 2.5 - 10 % 1-Methoxy-2-propanol, 2.5 - 10 % Butan-1-ol, 1 - 2.5 % 4,4'-isopropylidenediphenol, polymer with 2,2-bis(p-(2,3-epoxypropoxy)phenyl)propane, < 1 % Isobutanol, 25 - 50 % Dimethyl ether. Safety data sheet available on request.
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Hazard rating systems:



NFPA Hazard Rating:

Health: 3 (Serious)

Fire: 4 (Severe)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 3 (Serious) - Chronic effects

Flammability: 4 (Severe)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	*	3
FLAMMABILITY		4
PHYSICAL HAZARD		0
		X

Reason of change:

Changes in section 1: Labeling

General revision

Date of first version:

20/Mar/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.