



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 1 of 15

1. Product and company identification

Product identifier

Trade name: Aluminium-Spray A-100

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: characteristic
Classification: Aerosol 1; Eye Irritation 2A; Specific Target Organ Toxicity (Single Exposure) 3;
Aquatic toxicity - chronic 3;

Hazard symbols:



Signal word:

Danger

Hazard statements:

Extremely flammable aerosol.
Pressurised container: May burst if heated.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 2 of 15

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.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
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.
Call a POISON CENTER/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
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

Exposure to temperatures exceeding 50 °C 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.
Causes mild skin irritation. Repeated exposure may cause skin dryness or cracking.
see section 11: Toxicological information



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 3 of 15

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 141-78-6	Ethyl acetate	15 - 20 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 67-64-1	Acetone	10 - 15 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 1330-20-7	Xylene (isomeric mixture)	< 10 %	Flammable Liquid 3. Acute Toxicity 4 (dermal). Acute Toxicity 4 (inhalative). Skin Irritation 2.
CAS 7429-90-5	Aluminium powder, phlegmatized	< 10 %	Flammable Solid 1. Water-reactive 2.
CAS 123-86-4	n-Butyl acetate	< 10 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 64742-95-6	Hydrocarbons, C9, aromatics	< 10 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.
CAS 64742-48-9	Naphtha (petroleum), hydrotreated heavy	< 10 %	Aspiration Toxicity 1.
CAS 106-97-8	n-Butane, pure	10 - 20 %	Flammable Gas 1. Compressed Gas.
CAS 74-98-6	Propane	10 - 20 %	Flammable Gas 1. Liquefied 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 and wash it before reuse. 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 and effects, both acute and delayed

Causes serious eye irritation. May cause drowsiness or dizziness. Causes mild skin irritation. Repeated exposure may cause skin dryness or cracking.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

-97 °C

Auto-ignition temperature: No data available

Suitable extinguishing media::

Alcohol resistant foam, extinguishing powder, carbon dioxide



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017
Version: 3
Language: en-CA,US
Date of print: 10/Jan/2017

Page: 4 of 15

Extinguishing media which must not be used for safety reasons:

Water

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:

Heating will lead to pressure increase: 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:

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.

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.

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 only 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.



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page:

5 of 15

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
141-78-6	Ethyl acetate	Canada, Alberta: OEL 8 hour	1440 mg/m ³ ; 400 ppm
		Canada, BC: OEL TWA	150 ppm
		Canada, Québec: VEMP	1440 mg/m ³ ; 400 ppm
		USA: ACGIH: TWA	1440 mg/m ³ ; 400 ppm
		USA: NIOSH: TWA	1400 mg/m ³ ; 400 ppm
		USA: OSHA: TWA	1400 mg/m ³ ; 400 ppm
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, BC: OEL STEL	150 ppm
		Canada, BC: OEL TWA	100 ppm
		USA: OSHA: TWA	435 mg/m ³ ; 100 ppm
7429-90-5	Aluminium powder, phlegmatized	Canada, Alberta: OEL 8 hour	10 mg/m ³ (Metal Dust)
		Canada, Alberta: OEL 8 hour	5 mg/m ³ (Pyro powders, calculated as Al)
		Canada, BC: OEL TWA	1 mg/m ³
		Canada, Québec: VEMP	10 mg/m ³ Metals
		NIOSH: Ceiling	5 mg/m ³ (inhalable fraction)
		USA: ACGIH: TWA	1 mg/m ³
		USA: NIOSH: TWA	10 mg/m ³ (inhalable fraction)
		USA: NIOSH: TWA	5 mg/m ³ (inhalable fraction)
USA: OSHA: TWA	15 mg/m ³ (inhalable fraction)		
USA: OSHA: TWA	5 mg/m ³ (respirable fraction)		
123-86-4	n-Butyl acetate	Canada, Alberta: OEL 15 min	950 mg/m ³ ; 200 ppm
		Canada, Alberta: OEL 8 hour	713 mg/m ³ ; 150 ppm
		Canada, BC: OEL TWA	20 ppm
		Canada, Québec: VECD	950 mg/m ³ ; 200 ppm
		Canada, Québec: VEMP	713 mg/m ³ ; 150 ppm
		USA: NIOSH: STEL	950 mg/m ³ ; 200 ppm
		USA: NIOSH: TWA	710 mg/m ³ ; 150 ppm
		USA: OSHA: TWA	710 mg/m ³ ; 150 ppm
106-97-8	n-Butane, pure	Canada, Alberta: OEL 8 hour	1000 ppm
		Canada, BC: OEL STEL	750 ppm
		Canada, BC: OEL TWA	600 ppm
		Canada, Ontario: OEL TWA	800 ppm
		Canada, Québec: VEMP	1900 mg/m ³ ; 800 ppm
		USA: ACGIH: TWA	2370 mg/m ³ ; 1000 ppm
		USA: NIOSH: TWA	1900 mg/m ³ ; 800 ppm



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 6 of 15

CAS No.	Designation	Type	Limit value
74-98-6	Propane	Canada, Alberta: OEL 8 hour Canada, Québec: VEMP USA: NIOSH: TWA USA: OSHA: TWA	1000 ppm 1800 mg/m ³ ; 1000 ppm 1800 mg/m ³ ; 1000 ppm 1800 mg/m ³ ; 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

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: \geq 0.7 mm

Breakthrough time: \geq 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.

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 20 °C and 101.3 kPa: liquid

Form: Aerosol

Odor: characteristic

Odor threshold: No data available

pH value: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: -44 °C

Flash point/flash point range: -97 °C

Evaporation rate: No data available



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Aluminium-Spray A-100

Material number 110500

Page: 7 of 15

Flammability:	Extremely flammable aerosol.
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Explosive properties:	Product is not explosive. Potentially explosive vapor/air mixtures may form.

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	Container under pressure. Heating will lead to pressure increase: 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:	In case of fire may be liberated: Carbon monoxide and carbon dioxide.
Thermal decomposition:	No data available



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 8 of 15

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.
ATEmix (estimated): > 2000 mg/kg
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
ATEmix dusts/mist (estimated): > 5 mg/L/4h
Skin corrosion/irritation: Lack of data.
Eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation.
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): Specific Target Organ Toxicity (Single Exposure) 3 = May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Based on available data, the classification criteria are not met.

Other information: Information about Ethyl acetate:
LD50 Rat, oral: > 5000 mg/kg
LD50 Rabbit, dermal: > 20000 mg/kg
LD50 Rat, inhalative: 200 mg/L
Information about Acetone:
LD50 Rat, oral: 5800 mg/kg
LD50 Rat, dermal: > 15000 mg/kg
LD50 Rat, inhalative: 76 mg/L/4h
Information about Xylene (isomeric mixture):
LD50 Rat, oral: 3523 mg/kg
LD50 Rabbit, dermal: 12126 mg/kg
LC50 Rat, inhalative: 27.6 mg/m³/4h
Information about n-Butyl acetate:
LD50 Rat, oral: 10760 - 12789 mg/kg (OECD 423)
LD50 Rabbit, dermal: > 14112 mg/kg (OECD 402)
LC50 Rat, inhalative 21 mg/L/4h (OECD 403)
Information about Hydrocarbons, C9, aromatics:
LD50 Rat, oral: 3492 mg/kg
LD50 Rabbit, dermal: > 3160 mg/kg
LC50 Rat, inhalative: > 6.2 mg/m³
Information about Naphtha (petroleum), hydrotreated heavy:
LD50 Rat, oral: > 5000 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



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 9 of 15

Symptoms

In case of inhalation:

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

Other symptoms: Breathing difficulty, headache, dizziness, nausea, unconsciousness.

Vapors may cause drowsiness and dizziness. Higher doses may have a narcotic effect.

Danger of metabolic acidosis.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Information about Hydrocarbons, C9, aromatics:

Fish toxicity: LL50 *Oncorhynchus mykiss*: 9.2 mg/L/96h (OECD 203)

Daphnia toxicity: EL50 *Daphnia magna* (Big water flea): 3.2 mg/L/48h (OECD 202)

Algae toxicity: ELb50 *Pseudokirchneriella subcapitata* (green algae): 2.6 mg/L/72h (OECD 201)

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.

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

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.

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.

Aluminium-Spray A-100

Material number 110500

Page: 10 of 15

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

**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



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 11 of 15

15. Regulatory information

National regulations - Canada

No data available



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 12 of 15

National regulations - U.S. Federal Regulations

Ethyl acetate:	TSCA Inventory: listed; EPA flags T TSCA HPVC: not listed Other Environmental Laws: CERCLA: RQ 5000 lbs. RCRA Hazardous Wastes: Code U112 NIOSH Recommendations: Occupational Health Guideline: 0260
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 XO 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
Aluminium powder, phlegmatized:	TSCA Inventory: listed TSCA HPVC: not listed Other Environmental Laws: SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard NIOSH Recommendations: Occupational Health Guideline: 0022
n-Butyl acetate:	TSCA Inventory: listed TSCA HPVC: not listed Clean Water Act: Hazardous Substances: RQ 5000 lbs. Other Environmental Laws: CERCLA: RQ 5000 lbs. NIOSH Recommendations: Occupational Health Guideline: 0072
Hydrocarbons, C9, aromatics:	TSCA Inventory: listed TSCA HPVC: not listed
Naphtha (petroleum), hydrotreated heavy:	TSCA Inventory: listed; EPA flags XU TSCA HPVC: not listed



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017
Version: 3
Language: en-CA,US
Date of print: 10/Jan/2017

Page: 13 of 15

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



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aluminium-Spray A-100

Material number 110500

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Page: 14 of 15

National regulations - U.S. State Regulations

Ethyl acetate:	Delaware Air Quality Management List: DRQ: 5000 - RQ State: Federal Regulations Apply Idaho Air Pollutant List: Title 585: AAC: 70 - EL: 93,3 - OEL: 1400 - Title 586: - Main Hazardous Air Pollutants: Me 2005: HAP - Hap Rpt: 20000 Massachusetts Haz. Substance codes: 2,4,5,6 F8 Minnesota Haz. Substance: Codes: AO - Ratings: 6.83 - 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: 400 ppm - 1400 mg
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
n-Butyl acetate:	CAS# 123-86-4 can be found on the following state right to know lists: - California, Massachusetts, Minnesota, New Jersey, Pennsylvania.



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 2/Jan/2017

Version: 3

Language: en-CA,US

Date of print: 10/Jan/2017

Aluminium-Spray A-100

Material number 110500

Page: 15 of 15

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

16. Other information

Text for labeling:

Contains 15 - 20 % Ethyl acetate, 10 - 15 % Acetone, < 10 % Xylene (isomeric mixture), < 10 % Aluminium powder, phlegmatized, < 10 % n-Butyl acetate, < 10 % Hydrocarbons, C9, aromatics, < 10 % Naphtha (petroleum), hydrotreated heavy, 10 - 20 % n-Butane, pure, 10 - 20 % Propane. Safety data sheet available on request.

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

Reason of change:

ADR/RID 2017, IMDG 2017

Date of first version:

22/Sep/2015

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.