



# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 21/Feb/2018

Version: 1

Language: en-CA,US

Date of print: 13/Mar/2018

## Galva-Spray

Material number 110050

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## 1. Product and company identification

### Product identifier

Trade name: Galva-Spray

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

General use: Technical aerosol  
Reserved for industrial and professional use.

### 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  
Color: silver gray  
Odor: solvent-like  
Classification: Flammable Aerosol 1; Compressed Gas; Eye Irritation 2A;  
Specific Target Organ Toxicity (Single Exposure) 3;  
Specific Target Organ Toxicity (Repeated Exposure) 2; Aquatic toxicity - chronic 2;

Hazard symbols:



Signal word:

**Danger**

Hazard statements:

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life with long lasting effects.



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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.  
Avoid breathing 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.  
Collect spillage.  
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

Higher doses may have a narcotic effect.  
Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
Potentially explosive mixtures may form if adequate ventilation is not provided.  
Repeated exposure may cause skin dryness or cracking.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterisation: A mixture of: Synthetic resin-binder, solvents and pigments  
Reserved for industrial and professional use.



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Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 67-64-1	Acetone	10 - 20 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 141-78-6	Ethyl acetate	10 - 20 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 1330-20-7	Xylene (isomeric mixture)	1 - 10 %	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 7429-90-5	Aluminium powder (phlegmatized)	1 - 10 %	Flammable Solid 1. Water-reactive 2.
CAS 64742-95-6	Solvent naphtha (petroleum), light arom	2.5 - 10 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.
CAS 64742-82-1	Naphtha (petroleum), hydrodesulfurized, heavy, pure (boiling temperature: 150-195°C)	1 - 2.5 %	Flammable Liquid 3. Specific Target Organ Toxicity (Single Exposure) 3. Aspiration Toxicity 1. Aquatic toxicity - chronic 2.
CAS 7440-66-6	Zinc powder-zinc dust (stabilized)	1 - 2.5 %	Aquatic toxicity - acute 1. Aquatic toxicity - chronic 1.
CAS 106-97-8	Butane	20 - 25 %	Flammable Gas 1. Compressed Gas.
CAS 74-98-6	Propane	20 - 25 %	Flammable Gas 1. Compressed Gas.

Additional information: Naphtha (petroleum), hydrotreated heavy: < 0,1% benzene  
Naphtha (petroleum), hydrodesulfurized, heavy: < 0,1% benzene

## 4. First aid measures

General information: First aider: Pay attention to self-protection!  
If medical advice is needed, have product container or label at hand.  
Take off immediately all contaminated clothing and wash it before reuse.

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

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. 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. Consult an ophthalmologist.

After swallowing: Immediately get medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.



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### Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

Inhalation causes narcotic effects/intoxication. Dizziness, fatigue, headache. May cause respiratory irritation.

### Information to physician

Treat symptomatically.

## 5. Fire fighting measures

Flash point/flash point range:

-97 °C

Auto-ignition temperature: not determined

Suitable extinguishing media:

Alcohol resistant foam, extinguishing powder, carbon dioxide, sand.

Extinguishing media which must not be used for safety reasons:

Water

### 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.

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:

Provide adequate ventilation. Avoid breathing spray. Avoid contact with the substance. Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment.

Keep unprotected people away. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

Take off immediately all contaminated clothing and wash it before reuse.

Cordon off downwind area at risk and warn inhabitants.

Environmental precautions:

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

In case of release, notify competent authorities. Danger of explosion!

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).

Beware of reignition. Thoroughly clean surrounding area.

Additional information:

Use explosion-proof equipment and non-sparking tools/utensils.



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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. Take off immediately all contaminated clothing and wash it before reuse. 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 heat and direct sunlight. storage temperature: 5 °C up to 25 °C  
Store containers in upright position. Explosion protection required. Store locked up.

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids. 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 <sup>3</sup> ; 750 ppm
		Canada, Alberta: OEL 8 hour	1200 mg/m <sup>3</sup> ; 500 ppm
		Canada, BC: OEL STEL	500 ppm
		Canada, BC: OEL TWA	250 ppm
		Canada, Québec: VECD	2380 mg/m <sup>3</sup> ; 1000 ppm
		Canada, Québec: VEMP	1190 mg/m <sup>3</sup> ; 500 ppm
		USA: ACGIH: STEL	500 ppm
		USA: ACGIH: TWA	250 ppm
		USA: NIOSH: TWA	590 mg/m <sup>3</sup> ; 250 ppm
		USA: OSHA: TWA	2400 mg/m <sup>3</sup> ; 1000 ppm
141-78-6	Ethyl acetate	Canada, Alberta: OEL 8 hour	1440 mg/m <sup>3</sup> ; 400 ppm
		Canada, BC: OEL TWA	150 ppm
		Canada, Québec: VEMP	1440 mg/m <sup>3</sup> ; 400 ppm
		USA: ACGIH: TWA	1440 mg/m <sup>3</sup> ; 400 ppm
		USA: NIOSH: TWA	1400 mg/m <sup>3</sup> ; 400 ppm
1330-20-7	Xylene (isomeric mixture)	Canada, Alberta: OEL 15 min	651 mg/m <sup>3</sup> ; 150 ppm
		Canada, Alberta: OEL 8 hour	434 mg/m <sup>3</sup> ; 100 ppm
		Canada, BC: OEL STEL	150 ppm
		Canada, BC: OEL TWA	100 ppm
		Canada, Québec: VECD	651 mg/m <sup>3</sup> ; 150 ppm
		Canada, Québec: VEMP	434 mg/m <sup>3</sup> ; 100 ppm
		USA: ACGIH: STEL	651 mg/m <sup>3</sup> ; 150 ppm
		USA: ACGIH: TWA	434 mg/m <sup>3</sup> ; 100 ppm
		USA: NIOSH: STEL	655 mg/m <sup>3</sup> ; 150 ppm
		USA: NIOSH: TWA	435 mg/m <sup>3</sup> ; 100 ppm
7429-90-5	Aluminium powder (phlegmatized)	Canada, Alberta: OEL 8 hour	10 mg/m <sup>3</sup> (Metal Dust)
		Canada, Alberta: OEL 8 hour	5 mg/m <sup>3</sup> (Pyro powders, calculated as Al)
		Canada, BC: OEL TWA	1 mg/m <sup>3</sup>
		Canada, Québec: VEMP	10 mg/m <sup>3</sup> Metals
		NIOSH: Ceiling	5 mg/m <sup>3</sup> (inhalable fraction)
		USA: ACGIH: TWA	1 mg/m <sup>3</sup>
		USA: NIOSH: TWA	10 mg/m <sup>3</sup> (inhalable fraction)
		USA: NIOSH: TWA	5 mg/m <sup>3</sup> (inhalable fraction)
		USA: OSHA: TWA	15 mg/m <sup>3</sup> (inhalable fraction)
		USA: OSHA: TWA	5 mg/m <sup>3</sup> (respirable fraction)
106-97-8	Butane	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 <sup>3</sup> ; 800 ppm
		USA: ACGIH: TWA	1000 ppm
USA: NIOSH: TWA	1900 mg/m <sup>3</sup> ; 800 ppm		



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CAS No.	Designation	Type	Limit value
74-98-6	Propane	Canada, Alberta: OEL 8 hour	1000 ppm
		Canada, Québec: VEMP	1800 mg/m <sup>3</sup> ; 1000 ppm
		USA: NIOSH: TWA	1800 mg/m <sup>3</sup> ; 1000 ppm
		USA: OSHA: TWA	1800 mg/m <sup>3</sup> ; 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 for good ventilation or exhaust system or work with completely self-contained equipment. Use only explosion-proof 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**            Flame retardant, antistatic and chemical resistant protective clothing.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138 (Solvent resistant protective gloves).  
Glove material: Butyl caoutchouc (butyl rubber) - Layer thickness: 0.7 mm  
Breakthrough time: < 480 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, 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:**                      Physical state at 20 °C and 101.3 kPa: liquid  
Form: Aerosol  
Color: silver gray



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Odor:	solvent-like
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
Flammability:	extremely flammable aerosol
Explosion limits:	LEL (Lower Explosion Limit): not determined UEL (Upper Explosive Limit): not determined
Vapor pressure:	not determined
Vapor density:	not determined
Density:	not determined
Solubility:	not determined
Water solubility:	immiscible
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	not applicable
Viscosity, kinematic:	not applicable
Explosive properties:	Vapors may form explosive mixtures with air. Contains gas under pressure; may explode if heated.
Ignition temperature:	> 200 °C

## 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:	Do not store together with combustible or self-igniting materials or any highly flammable solids.
Hazardous decomposition products:	No decomposition when used properly.
Thermal decomposition:	No decomposition when used properly.





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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): Based on available data, the classification criteria are not met.  
Acute toxicity (dermal): Based on available data, the classification criteria are not met.  
ATEmix (calculated): > 2000 mg/kg.  
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.  
ATEmix (calculated): > 20 mg/L.  
Skin corrosion/irritation: Based on available data, the classification criteria are not met.  
Serious 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: Based on available data, the classification criteria are not met.  
Carcinogenicity: Based on available data, the classification criteria are not met.  
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: Based on available data, the classification criteria are not met.

Other information: Information about Zinc powder-zinc dust (stabilized):  
LD50, Rat, oral: > 2000 mg/kg  
Information about Xylene:  
LD50, dermal: 1100 mg/kg  
Information about Aluminium powder (phlegmatized):  
LC50, Rat, inhalative: > 5 mg/L/4h  
For carcinogenic effects:  
Information about Xylene (isomeric mixture):  
IARC Rating: Group 3  
OSHA Carcinogen: not listed  
NTP Rating: not listed

### Symptoms

After contact with skin:  
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

### General remarks

Further hazardous properties cannot be excluded.

## 12. Ecological information

### Ecotoxicity

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

### Mobility in soil

No data available



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### Persistence and degradability

Further details: No data available

### Additional ecological information

Volatile organic compounds (VOC):

87.1 % by weight = 622.8 g/L

General information: Do not allow to penetrate into soil, waterbodies or drains.

## 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



### 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



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### Sea transport (IMDG)

UN number: UN 1950  
Proper shipping name: UN 1950, AEROSOLS  
Class or division, Subsidiary risk: Class 2.1, Subrisk -  
Packing Group: -  
EmS: F-D, S-U  
Special provisions: 63, 190, 277, 327, 344, 381,959  
Limited quantities: 1000 mL  
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: yes  
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\*

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

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

Naphtha (petroleum), hydrodesulfurized, heavy, pure (boiling temperature: 150-195°C):

TSCA Inventory: listed; EPA flags XU  
TSCA HPVC: not listed  
CFR 49: § 172.101 Cl.3 UN-Nr. 1268

Zinc powder-zinc dust (stabilized):

TSCA Inventory: listed  
TSCA HPVC: not listed  
Clean Water Act:  
Priority Pollutant: yes  
Other Environmental Laws:  
CERCLA: RQ 1000\* lbs.  
RCRA Groundwater Monitoring: Methods 6010, 7950 / PQL 20, 50  
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard



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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\*

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

## Galva-Spray

Material number 110050

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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
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
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
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



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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

### National regulations - EC member states

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3  
 Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: annex I, part 1, E2, P3a.

## 16. Other information

Text for labeling:

Contains 10 - 20 % Acetone, 10 - 20 % Ethyl acetate, 1 - 10 % Xylene (isomeric mixture), 1 - 10 % Aluminium powder (phlegmatized), 2.5 - 10 % Solvent naphtha (petroleum), light arom, 1 - 2.5 % Naphtha (petroleum), hydrodesulfurized, heavy, pure (boiling temperature: 150-195°C), 1 - 2.5 % Zinc powder-zinc dust (stabilized), 20 - 25 % Butane, 20 - 25 % Propane. Safety data sheet available on request.

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

Date of first version: 21/Feb/2018

### 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.