



Galvax 50101
SDS Preparation Date (mm/dd/yyyy): 03/16/2016

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: Galvax Aerosol

Product Code(s) : 50101

Recommended use of the chemical and restrictions on use

: Zinc Primer

Use pattern: Professional Use Only

Recommended restrictions: None Known.

Chemical family

: Mixture.

Name, address, and telephone number of the supplier:

Dampney Company, Inc.

85 Paris Street
Everett, Massachusetts, U.S.A.
02149

Email: sales@dampney.com

Supplier's Telephone # : (617) 389-2805

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Gray liquid. Solvent odor.

Classification:

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

Label elements

Hazard pictogram(s)



Signal Word

DANGER

Hazard statement(s)

Causes skin irritation

Causes serious eye irritation



Galvax 50101
SDS Preparation Date (mm/dd/yyyy): 03/16/2016

Page 2 of 12

SAFETY DATA SHEET

Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs (Central nervous system, Eyes, Kidney, Liver, Respiratory System, and Skin) through prolonged or repeated exposure.
May be fatal if swallowed and enters airways
Extremely flammable aerosol
Contains gas under pressure; may explode if heated

Precautionary statement(s)

Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use

Response

If exposed or concerned: Get medical advice/attention
Specific treatment (see first aid on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting

Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Very toxic to aquatic life with long lasting effects
0.000001122% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS-No	Weight %*
Acetone	67-64-1	20-30
Zinc Powder	7440-66-6	20-30
Propane/Isobutane/N-Butane	68476-86-8	20-30
Toluene	108-88-3	1-10
Xylene	1330-20-7	1-10

The exact concentrations of the above listed chemicals are being withheld as a trade secret.



SAFETY DATA SHEET

SECTION 4. FIRST-AID MEASURES

First aid measures for different exposure routes

General advice	Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if irritation persists.
Skin contact	Wash off immediately with soap and plenty of water. Get medical attention immediately if symptoms occur.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
Ingestion	Most important symptoms/effects, acute and delayed. Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.
Main Symptoms	Causes skin and eye irritation. Inhalation causing Central Nervous System effects. Ingestion causing lung damage.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, Dry chemical, or Carbon dioxide (CO₂). Cool containers / tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Extremely Flammable. Keep product and empty container away from heat and sources of ignition.

Explosion Data Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventilation to keep the exposure levels below the DELS.

Environmental precautions Report spills as required by local and federal regulations.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Contain liquid and collect with a non-combustible material.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

Conditions for safe storage, including any incompatibilities



Galvax 50101
SDS Preparation Date (mm/dd/yyyy): 03/16/2016

Page 5 of 12

SAFETY DATA SHEET

Skin and body protection	Chemical resistant apron. Protective gloves.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Gray aerosol
Odour	: Solvent
pH	: No information available
Melting/Freezing point	: No information available
Initial boiling point and boiling range	
	: No information available
Flash point	: -96.4°C (141°F)
Evaporation rate (BuAe = 1)	: No information available
Flammability (solid, gas)	: No information available
Lower flammable limit (% by vol.)	
	: No information available
Upper flammable limit (% by vol.)	
	: No information available
Vapour pressure Vapour density	
	: No information available
Specific gravity	: 1.308
Solubility in water	: Practically insoluble
Partition coefficient	: No information available
Auto-ignition temperature	: No information available
Decomposition temperature	: No information available
VOC content %	: 43.87
MIR Coating category	: PCP - Primers

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	
	None under normal processing.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Store away from strong acids, alkalis, or oxidizing agents.
Hazardous Decomposition Products	
	Carbon oxides. Fumes. Hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known information
Inhalation	Exposure to high vapour concentrations may cause nervous systems effects such as headache, nausea, and dizziness.
Eye contact	Irritating to eyes.



SAFETY DATA SHEET

Skin contact Prolonged skin contact may defat the skin and produce dermatitis. May cause slight irritation.
 Ingestion Not acutely toxic. Aspiration into the lungs during swallowing may be harmful. Information on likely routes of exposure:

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m3 (Rat)8h
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12. 5 mg/L (Rat) 4 h
Xylene 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Butyl Acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Ethyl Benzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat)4h

Information on toxicological effects

Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting. Causes eye and skin irritation. May cause respiratory system irritation. Aspiration into the lungs during swallowing may cause serious lung damage which may be harmful.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Irritating to skin.
 Eye damage/irritation Irritating to eyes.
 Sensitization No information available.
 Germ Cell Mutagenicity No information available.
 Carcinogenicity The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-
Xylene 1330-20-7	-	Group 3	-	-
Ethyl Benzene 100-41-4	A3	Group 2B	•	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC; (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.
 Specific target organ systemic toxicity (single exposure) May cause respiratory irritation, may cause drowsiness and dizziness.
 Specific target organ systemic toxicity (repeated exposure) May cause damage to organs through prolonged or repeated exposure.
 Chronic toxicity May cause adverse liver effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat



Galvax 50101
 SDS Preparation Date (mm/dd/yyyy): 03/16/2016

SAFETY DATA SHEET

the skin and produce dermatitis.
 Target Organ Effects Aspiration hazard
 Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin. May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0.000001122% of the mixture consists of ingredient(s) of unknown toxicity
 The following values are calculated based on chapter 3.1 of the GHS document .
 ATEmix(oral) 17255 mg/kg
 ATEmix (dermal) 2315 mg/kg
 ATEmix (inhalation-gas) 96981 mg/l
 ATEmix (inhalation-dust/mist) 6.3 mg/l
 ATEmix (inhalation-vapor) 55096 mg/l

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity data:

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Acetone 67-64-1	-	4.74- 6.33 mL/LLC50 Oncorhynchus mykiss 96h 6210-8120mg/LLC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h	-	10294 -17704 mg/L EC50 Daphnia magna 48h Static 12600 -12700 mg/L EC50 Daphnia magna 48h
Zinc Powder 7440-66-6	0.11 -0.271 mg/LEC50 Pseudokirchneriella subcapitata 96h static 0.09 - 0.125 mg/LEC50 Pseudokirchneriella subcapitata 72h static	2.16-3.05 mg/LLC50 Pimephales promelas 96h flow-through 0.211 -0.269 mg/L LC50 Pimephales promelas 96h semi-static 2.66 mg/L LC50 Pimephales promelas 96h static 30 mg/L LC50 Cyprinus carpio 96h 0.45 mg/L LC50 Cyprinus carpio 96h semi-static 7.8 mg/L LC50 Cyprinus carpio 96h static 0.59 mg/L LC50 Oncorhynchus mykiss 96h semi-static 0.41 mg/L LC50 Oncorhynchus mykiss 96h static 3.5 mg/L LC50 Lepomis macrochirus 96h static 0.24 mg/L LC50 Oncorhynchus mykiss 96h flow-through	-	0.139-0.908 mg/LEC50 Daphnia magna 48h Static
Propane/Isobutane /N- Butane 68476-86-8	-	-	-	-
Toluene 108-88-3	433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static	15.22 -19.05 mg/L LC50 Pimephales promelas 96h flow-through 12.6 mg/L LC50 Pimephales promelas 96h static 5.89 -7.81 mg/L LC50 Oncorhynchus mykiss 96h	-	5.46 -9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/LEC50 Daphnia magna 48h



SAFETY DATA SHEET

		flow-through 14.1 - 17.16 mg/L LC50 Oncorhynchus mykiss 96h static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 54 mg/L LC50 Oryzias latipes 96h static 28.2 mg/L LC50 Poecilia reticulata 96h semi-static 50.87 -70.34 mg/L LC50 Poecilia reticulata 96h static		
Xylene 1330-20-7	-	13.4 mg/L LC50 Pimephales promelas 96h flow-through 2.661 -4,093 mg/L LC50 Oncorhynchus mykiss 96h static 13.5 - 17.3 mg/L LC50 Oncorhynchus mykiss 96h 13.1 - 16.5 mg/L LC50 Lepomis macrochirus 96h flow-through 19 mg/L LC50 Lepomis macrochirus 96h 7.711 -9.591 mg/L LC50 Lepomis macrochirus 96h static 780 mg/L LC50 Cyprinus carpio 96h 30.26 - 40.75 mg/L LC50 Poecilia reticulata 96h static 23.53 - 29.97 mg/L LC50 Pimephales promelas 96h static 780 mg/L LC50 Cyprinus carpio 96h semi-static	-	3.82 mg/L EC50 water flea 48h 0.6 mg/L LC50 Gammarus lacustris 48h
Butyl Acetate 123-86-4	674.7 mg/L EC50 Desmodemus subspicatus 72 h	100 mg/L LC50 Lepomis macrochirus 96h static 17 - 19 mg/L LC50 Pimephales promelas 96h flow-through	-	-
Ethyl Benzene 100-41-4	4.6 mg/L EC50 Pseudokirchneriella subcapitata 72h 438 mg/L EC50 Pseudokirchneriella subcapitata 96h 2.6 - 11.3 mg/L EC50 Pseudokirchneriella subcapitata 72h static 1.7 - 7.6 mg/L EC50 Pseudokirchneriella subcapitata 96h static	11.0 -18.0 mg/L LC50 Oncorhynchus mykiss 96h static 4.2 mg/L LC50 Oncorhynchus mykiss 96h semi-static 7.55 - 11 mg/L LC50 Pimephales promelas 96h flow-through 32 mg/L LC50 Lepomis macrochirus 96h static 9.1 - 15.6 mg/L LC50 Pimephales promelas 96h static 9.6 mg/L LC50 Poecilia reticulata 96h static	-	1.8 -2.4 mg/L EC50 Daphnia magna 48h

Persistence and degradability : Not available.

Bio accumulative potential

Chemical Name	log Pow
ACETONE 67-64-1	-0.24
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	<=2.8



Galvax 50101
 SDS Preparation Date (mm/dd/yyyy): 03/16/2016

SAFETY DATA SHEET

TOLUENE 108-88-3	2.65
XYLENE 1330-20-7	2.77-3.15
BUTYL ACETATE 1 23-86-4	1.81
ETHYL BENZENE 100-41-4	3.118

Other adverse effects : Not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice.
 Methods of Disposal : Dispose in accordance with all applicable regulations.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT		Limited Quantity			
IMDG		Limited Quantity			
ICAO/IATA	UN1950	Aerosols, Flammable	2.1		

SECTION 15 - REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/ NDSL	EINECS/ ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Acetone	X	X	X	X	X	X	X	X
Zinc Powder	X	X	X	Not listed	X	X	X	X
Propane/Isobutane/ N-Butane	X	X	X	Not listed	X	X	X	X
Toluene	X	X	X	X	X	X	X	X
Xylene	X	X	X	X	X	X	X	X
Butyl Acetate	X	X	X	X	X	X	X	X
Ethyl Benzene	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 CHINA - China Inventory of Existing Chemical Substances
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances



Galvax 50101
 SDS Preparation Date (mm/dd/yyyy): 03/16/2016

SAFETY DATA SHEET

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 -Threshold Values %
Zinc Powder	7440-66-6	20-30	1.0
Toluene	108-88-3	1-10	1.0
Xylene	1330-20-7	1-10	1.0
Ethyl Benzene	100-41-4	1-10	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA -Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc Powder 7440-66-6		X	X	
Toluene 108-88-3	1000lb	X	X	X
Xylene 1330-20-7	100 lb			X
Butyl Acetate 123-86-4	5000 lb			X
Ethyl Benzene 100-41-4	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Zinc Powder 7440-66-6	1000lb		RQ 454 kg final RQ RQ 1 000 lb final RQ
Toluene 108-88-3	1000lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Xylene 1330-20-7	100lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Butyl Acetate 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Ethyl Benzene 100-41-4	1000lb		RQ 1000 lb final RQ RQ 454 kg final RQ

California Proposition 65

This product contains the following Proposition 65 chemicals:



Dampney Company, Inc.
 85 Paris Street
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Galvax 50101
 SDS Preparation Date (mm/dd/yyyy): 03/16/2016

Page 11 of 12

SAFETY DATA SHEET

Chemical Name	California Prop. 65
Toluene -108-88-3	Developmental
Ethyl Benzene - 100-41-4	Carcinogen

US State Right to Know Laws:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X
Zinc Powder 7440-66-6	X	X	X
Toluene 108-88-3	X	X	X
Xylene 1330-20-7	X	X	X
Butyl Acetate 123-86-4	X	X	X
Ethyl Benzene 100-41-4	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
 A Compressed gases
 B5 Flammable aerosol
 D2B Toxic materials



SECTION 16. OTHER INFORMATION

NFPA	Health hazard	2	Flammability	4	Instability	0	Physical and chemical hazard	-
HMIS	Health hazard	2	Flammability	4	Physical hazard	1	Personal protection	B

Chronic Hazard Star Legend

Chronic Health Hazard Repeated or prolonged exposure may cause central nervous system damage.

Prepared by

Dampney Company, Inc.
 85 Paris Street
 Everett, MA 02149

Tel. 617-389-2805
 Fax. 617-389-0484
 Email mail@dampney.com

Preparation Date (mm/dd/yyyy): 03/16/2016

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



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Galvax 50101
SDS Preparation Date (mm/dd/yyyy): 03/16/2016

Page 12 of 12

SAFETY DATA SHEET

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Last Page