



SAFETY DATA SHEET

Issue Date 30-Oct-2014

Revision Date 30-Oct-2014

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name GalVan-Plus

Other means of identification

Product code: 349051

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Descaler.

Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address

Summit Industrial Products
9010 County Road 2120
Tyler, Texas 75707
Phone: (903) 534-8021
Fax: (903) 581-4376

Emergency telephone number

Emergency Telephone CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

Label elements

EMERGENCY OVERVIEW

Signal word

Danger

Hazard statements

Causes serious eye damage
May be corrosive to metals



Appearance Aqueous solution**Physical state** Liquid**Odor** Mild**Precautionary Statements - Prevention**

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

Eyes 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 or doctor/physician

Hazards not otherwise classified (HNOC)**Other information**

• Causes mild skin irritation

Unknown Acute Toxicity

0.3% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Components	CAS-No	Weight %	Trade Secret
Urea Monohydrochloride	Proprietary	10-40	*

4. FIRST AID MEASURES**First aid measures****Eye contact:**

Flush eye with water for 15 minutes. Call a physician immediately.

Skin contact:

Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Ingestion:

Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician immediately.

Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

Indication of any immediate medical attention and special treatment needed**Notes to physician:**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media:**The product itself does not burn. Water spray. Carbon dioxide (CO₂). Dry chemical.

Unsuitable extinguishing media No information available

Specific hazards arising from the chemical

Contact with metals may evolve flammable hydrogen gas. Water may be used to cool closed containers.

Explosion data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and material for containment and cleaning up

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

Methods for cleaning up: Neutralise with soda ash or lime. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid contact with eyes and skin. Use only in well-ventilated areas. Always replace cap after use.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children. Keep container tightly closed. Store at temperatures not exceeding 48 °C

Packaging materials Store in fiberglass, polyethylene, or polypropylene containers. Do not store in metal containers, especially aluminum.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering measures to reduce exposure: Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required. Breathing apparatus needed only when aerosol or mist is formed.

Hand protection: Nitrile rubber

Eye protection: Goggles

Skin and body protection: Long sleeved clothing

General Hygiene Considerations Avoid contact with skin, eyes and clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

Appearance Aqueous solution **Odor** Mild

Color Yellow to Amber

Odor threshold No information available

Property	Values	Remarks • Method
pH	< 1.0	

Melting point/freezing point	-2 °C / 28 °F		Boiling point / boiling range	101 °C / 214 °F
Flash point	No information available	Cleveland Open Cup	Evaporation rate	No information available
Flammability (solid, gas)	No information available		Flammability Limit in Air	
Upper flammability limit:	No information available		Lower flammability limit:	No information available
Vapor pressure	No information available		Vapor density	No information available
Specific Gravity	> 1.0		Water solubility	Soluble in water
Solubility in other solvents	No information available		Partition coefficient	No information available
Autoignition temperature	No information available		Decomposition temperature	110 °C
Kinematic viscosity	No information available		Dynamic viscosity	No information available
Explosive properties		No information available		
Oxidizing properties		No information available		

Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY**Reactivity**

Not applicable

Chemical stability

Stability	Stable up to 110°C.
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Possibility of Hazardous Reactions

Possibility of Hazardous Reactions	Contact with metals may evolve flammable hydrogen gas. Decomposition starting from 110°C.
Hazardous polymerization	Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid	Stable under recommended storage conditions. Prolonged heating at temperatures above 48 °C.
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Hazardous Decomposition Products

Hazardous Decomposition Products	Incomplete combustion may produce small amounts of carbon, nitrogen, and chlorine. Hydrogen, by reaction with metals
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Incompatible materials

Incompatible materials	Oxidising agents. This material may be extremely hazardous in contact with chlorate or nitrates. This material is acidic. Contact with hypochlorites, sulfides, or cyanides will liberate toxic gases. Contact with alkaline materials will generate heat
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11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information

Eye contact	Avoid contact with eyes. Corrosive to eyes.
Skin contact	Substance does not generally irritate and is only mildly irritating to the skin.
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	May be harmful if swallowed.

Information on toxicological effects**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Skin corrosion/irritation	Mild skin irritant.
Serious eye damage/eye irritation	Corrosive to eyes.
Sensitization	No sensitization responses were observed.
Mutagenic effects:	Did not show mutagenic or teratogenic effects in animal experiments.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.
STOT - Single Exposure	No known effects under normal use conditions.
STOT - Repeated Exposure	None under normal use conditions.
Aspiration hazard	Not applicable.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	0.3% of the mixture consists of ingredient(s) of unknown toxicity
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12. ECOLOGICAL INFORMATION**Ecotoxicity**

No known hazards to the aquatic environment.

0.3% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

Readily biodegradable, according to appropriate OECD test.

Bioaccumulation

Material does not bioaccumulate.

Mobility

Soluble in water.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

14. TRANSPORT INFORMATION

Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel

DOT Not Regulated by ground transportation only per exception in 49 CFR §173.154(d)(1).

IATA-DGR

UN-No: UN1760
Proper shipping name: Corrosive Liquid, n.o.s. (Contains Urea Monohydrochloride)
Hazard Class: 8
Packing group: PGIII

IMO / IMDG

UN/ID No. UN1760
Proper shipping name Corrosive Liquid, n.o.s. (Contains Urea Monohydrochloride)
Hazard Class 8
Packing group PGIII

15. REGULATORY INFORMATION

International Inventories

TSCA: Listed in TSCA
DSL: All of the components in this product are listed in DSL
EINECS/ELINCS This product complies with EINECS/ELINCS
CHINA: This product complies with China IECSC.
KECL: This product complies with Korea KECL.
PICCS: This product does not comply with Philippines PICCS.
AICS: All the constituents of this material are listed on the Australian AICS

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations (RTK)**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

Nfpa:

Health: 1

Flammability: 0

Instability 0

NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *

HMIS health rating:

Health: 2

Flammability: 0

Physical hazards 0

Personal protection B

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Revision Note

Not applicable

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet
