



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 014325
Product Name: PG-27-SA
Category: Safe Acid Alternative
Company Name: R2J CHEMICAL SERVICES
 3750 70TH AVE N
 PINELLAS PARK, FL 33781
Phone Number: (727)531-4135

Emergency Contact: CHEMTEL (24 hours) (800)255-3924

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 1

Acute Toxicity: Oral, Category 4



GHS Signal Word: Danger
GHS Hazard Phrases: H302 - Harmful if swallowed.
 H318 - Causes serious eye damage.

GHS Precautionary Phrases: P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P330 - Rinse mouth.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container to approved disposal facility.

Hazard Rating System:

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PPE	D

HMIS:



SAFETY DATA SHEET

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Ingredient(s)	Concentration
506-89-8	Urea, monohydrochloride	50.0 -100.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. Seek medical advice/attention if you feel unwell.
In Case of Skin Contact:	Wash exposed area with soap and water thoroughly. Remove contaminated clothing and wash before reuse. Seek medical advice/attention immediately.
In Case of Eye Contact:	Immediately flush eyes with running water for at least 15 minutes. Remove contact lenses if present and easy to do so, after the first 5 minutes. Seek medical advice/attention immediately.
In Case of Ingestion:	Rinse mouth with water. Do NOT induce vomiting. Never give anything to an unconscious person. Seek medical advice/attention immediately.
Note to Physician:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flash Point:	> 93.3 C (> 200.00 F) Method Used: ASTM D Closed Cup
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water fog, dry chemical powder, carbon dioxide, or appropriate foam.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Flammable Properties and Hazards:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Avoid contact with spilled material. Avoid breathing vapors, mist, or gas. Ventilate area of leak or spill. Wear appropriate personal protection equipment.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. Do not allow liquid to enter streams or waterways.
Steps To Be Taken In Case Material Is Released Or Spilled:	Collect liquid by absorbing with an inert material (e.g. vermiculite, dry sand, earth), clean contaminated surface thoroughly, and place in a container for disposal according to local regulations.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Avoid breathing product vapors or mists. Use with adequate ventilation. Keep containers closed when not in use.
Precautions To Be Taken in Storing:	Store in a dry, cool, and well ventilated area away from heat sources and incompatible materials. Keep containers securely sealed. Protect containers from physical damage and check regularly for leaks.



SAFETY DATA SHEET

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Components (Chemical Name)	OSHA TWA	ACGIH TWA	Other Limits
506-89-8	Urea, monohydrochloride	No data.	No data.	No data.
Respiratory Equipment (Specify Type):	A risk assessment should be made of the process where this material is used. If concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulation (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.			
Eye Protection:	Wear chemical splash goggles.			
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.			
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure. Choose protection according to the amount and concentration of the dangerous substance at the workplace.			
Engineering Controls (Ventilation etc.):	Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or airborne exposure limits, whichever is lower. Local exhaust is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion of it into the general work area.			
Work/Hygienic/Maintenance Practices:	An eye wash station should be accessible in the immediate area of use. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Light Amber. Slight.	
Freeze Point/Pour Point:	-6.7 C (20.00 F) - 0.0 C (32.00 F)	
Boiling Point:	> 98.9 C (> 210.00 F) / 0.000 mm Hg.	
Autoignition Pt:	No data.	
Flash Point:	> 93.3 C (> 200.00 F) Method Used: ASTM D Closed Cup	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water=1):	1.25+/-0.05	
Vapor Pressure:	No data.	
Vapor Density (vs. Air=1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	complete	
pH:	<1 (1%)	
Percent Volatile:	No data.	



SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Incompatible materials.
Incompatibility - Materials To Avoid:	Bases.
Hazardous Decomposition or Byproducts:	Ammonia, hydrogen chloride. Carbon oxides. Will occur [] Will not occur [X]
Possibility of Hazardous Reactions:	No data available.
Conditions To Avoid - Hazardous Reactions:	

11. TOXICOLOGICAL INFORMATION

Toxicological Information: The product has not been tested. Any statements on toxicology have been derived from products of a similar structure and composition.
LD50 (rat): >1,000 mg/kg

CAS #	Ingredient(s)	NTP	IARC	ACGIH	OSHA
506-89-8	Urea, monohydrochloride	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: The product has not been tested. Any statements on eco-toxicology have been derived from products of a similar structure and composition.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: RCRA: It is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

Disposal: Whatever cannot be saved for recovery or recycling should be disposed of in accordance with local, state, and federal regulations. Consult state or local regulation for any additional handling, treatment, or disposal requirements. For disposal, contact a properly licensed waste treatment, storage, disposal, or recycling facility.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: NOT REGULATED when shipped by road or railway. Product is exempt from DOT regulation under 49 CFR 173.154(d)(1). The product exception is referenced in 49CFR 172.101 Table. Packaging material must not be aluminum or be degraded by this product.

DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Corrosive liquid, acidic, organic, n.o.s.(Urea Hydrochloride)
UN Number: 3265
Hazard Class: 8 - CORROSIVE **TDG Classification:**



SAFETY DATA SHEET

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Corrosive liquid, acidic, organic, n.o.s.(Urea Hydrochloride)
UN Number: 265] Packing Group: II
Hazard Class: 8 - CORROSIVE

IMDG EMS Page:

IMDG MFAG Number:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Corrosive liquid, acidic, organic, n.o.s.(Urea Hydrochloride)
UN Number: 3265 Packing Group: II
Hazard Class: 8 - CORROSIVE

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

Table with 5 columns: CAS #, Ingredient(s), S. 302 (EHS), S. 304 RQ, S. 313 (TRI). Row 1: 506-89-8, Urea, monohydrochloride, No, No, No

- This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated: [] Yes [X] No Explosive, [] Yes [X] No Flammable (gases, aerosols, liquid, or solid), [] Yes [X] No Oxidizer (liquid, solid or gas), [] Yes [X] No Self-reactive, [] Yes [X] No Pyrophoric (liquid or solid), [] Yes [X] No Pyrophoric gas, [] Yes [X] No Self-heating, [] Yes [X] No Organic peroxide, [] Yes [X] No Corrosive to metal, [] Yes [X] No Gas under pressure (compressed gas), [] Yes [X] No In contact with water emits flammable gas, [] Yes [X] No Combustible Dust, [] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC), [X] Yes [] No Acute toxicity (any route of exposure), [] Yes [X] No Skin Corrosion or Irritation, [X] Yes [] No Serious eye damage or eye irritation, [] Yes [X] No Respiratory or Skin Sensitization, [] Yes [X] No Germ cell mutagenicity, [] Yes [X] No Carcinogenicity, [] Yes [X] No Reproductive toxicity, [] Yes [X] No Specific target organ toxicity (single or repeated exposure), [] Yes [X] No Aspiration Hazard, [] Yes [X] No Simple Asphyxiant, [] Yes [X] No (Health) Hazard Not Otherwise Classified (HNOC)

Table with 5 columns: CAS #, Ingredient(s), Canadian NPRI, Canadian IDL, Canadian DSL. Row 1: 506-89-8, Urea, monohydrochloride, No, No, Yes

Other US EPA or State Lists
CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; FIFRA: No; FDA/DEA CSA: No; CA PROP.65: No



SAFETY DATA SHEET

Regulatory Information: Canadian regulations: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

Revision Date: 02/11/2026

Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

The information accumulated herein is believed to be accurate based on the information provided, although no guarantee or warranty, either expressed or implied is made as to the accuracy or completeness of this information, whether originating with this company or not. Recipients are advised to confirm in advance of need that the information is correct, applicable and suitable to their circumstances. The conditions or methods of handling, storage, use and disposal of the product and container are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage or use of this information or product. If the product is used as a component in another product, this information may not be applicable.