

# SAFETY DATA SHEET

Lime & Scale Remover

FILE NO.: 0017

SDS DATE: 6.2015

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: PurClean  
SYNONYMS:  
PRODUCT CODES: 0018

MANUFACTURER: PGI  
DIVISION:  
ADDRESS: 2460 Crossroads BLVD.  
Seguin, TX 78155

EMERGENCY PHONE: 800.876.9455  
CHEMTREC PHONE:  
OTHER CALLS: 830.379.1937  
FAX PHONE: 830.379.8448

CHEMICAL NAME: N/A  
CHEMICAL FAMILY: N/A  
CHEMICAL FORMULA: N/A

PRODUCT USE: Lime and scale remover  
PREPARED BY: John Blount

SECTION 1 NOTES:

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## SECTION 2: HAZARDS IDENTIFICATION

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GHS CLASSIFICATION: Not Classified



HEALTH ENVIRONMENTAL PHYSICAL- NA

ACUTE TOXICITY – NA

EYE CORROSION – Serious eye damage/eye irritation                      Category 1

SKIN CORROSION – Skin Corrosion/irritation                                      Category 1

SKIN SENSITIZATION – NA

MUTAGENICITY –

REPRODUCTIVE/DEVELOPMENTAL – NA

TARGET ORGAN TOXICITY (REPEATED) – NA

TOXICITY – NA

GHS LABEL:

SIGNAL WORD – WARNING

HAZARD STATEMENTS: Causes skin irritation and eye damage. Causes serious eye damage.

PRECAUTIONARY STATEMENTS: Avoid contact with eyes. If contact occurs , remove contact lenses and flush with water for 15 minutes. If irritation persist. Seek medical attention. May cause respiratory irritation

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## SECTION 3: Notes

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT %
Quaternary Ammonium Chloride	68391-01-5	*
Phosphoric acid	7664-38-2	*
Amines, Tallow Alkyl, Ethoxylated	61791-26-2	*

SECTION 3 NOTES: \*Proprietary information

(SEE SECTION 8 FOR EXPOSURE LIMITS)

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## SECTION 4: FIRST AID MEASURES

EYES: FLUSH EYES WITH WATER. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION

SKIN: REMOVE CONTAMINATED CLOTHING. IF SKIN CONTACT OCCURS FLUSH WITH PLENTY OF WATER

INGESTION: Get medical advice or attention. Do not induce vomiting

INHALATION: If inhaled remove person to fresh air

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: The severity of the symptom depends on the length of exposure.

SECTION 4 NOTES: Treat symptomatically

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## SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A  
(% BY VOLUME) LOWER:

FLASH POINT: N/A

F:

C:

METHOD USED:

AUTOIGNITION TEMPERATURE: N/A

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

PROTECTION:

EXTINGUISHING MEDIA: DRY CHEMICAL, CO2, WATER SPRAY

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION. HEAT MAY BUILD PRESSURE AND RUPTURE CLOSED CONTAINERS.

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UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION 5 NOTES: Avoid inhalation of vapors.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: LIMIT AREA TO QUALIFIED PERSONEL. ABSORB ALL MATERIAL WITH DRI-SORB OR OTHER TYPE OF ABSORBANT. SCOOP OR SCRAPE UP ALL MATERIAL AND PLACE IN PROPER RECEPTICAL.

Spillage of uncontrolled discharges into watercourses must be reported immediately to Environmental Agencies.

SECTION 6 NOTES: For small spillage , flush with copious amounts of water. For large spillage contain with dri-sorb or other absorbent non-combustable material.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: STORE IN TIGHTLY CLOSED PROPERLY VENTILATED CONTAINERS. EMPTY CONTAINERS MAY BE HAZARDOUS. RINSE AT LEAST THREE TIMES BEFORE DISGARDING.

OTHER PRECAUTIONS: AVOID CONTACT WITH EYES. KEEP AWAY FROM CHILDREN

SECTION 7 NOTES: Keep awayfrom oxidizing materials such as bleach/hypochlorite

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

VENTILATION : NORMAL

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS

EYE PROTECTION: CHEMICAL GOGGLES

SKIN PROTECTION: CHEMICAL RESISTANT CLOTHING OR GLOVES WHEN PROCESSING BULK AMOUNTS OVER 50 GALLONS

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: WHERE GROSS EXPOSURE IS EXPERIENCED USE GOOD HYGIENE PRACTICE

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Orange clear thin liquid

ODOR: Slight acrid

PHYSICAL STATE: Viscous Clear Orange Liquid

pH AS SUPPLIED: 1-2

pH (Other):

BOILING POINT:

F: 220

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C: 104

MELTING POINT: N/A

F:

C:

FREEZING POINT: N/A

F:

C:

VAPOR PRESSURE (mmHg): N/A

@

F:

C:

VAPOR DENSITY (AIR = 1): N/A

@

F:

C:

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.04

@

F: 72

C: 23

EVAPORATION RATE: N/A

BASIS (=1):

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: COMPLETE

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N/A

BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

WITH WATER:	LBS/GAL
WITHOUT WATER:	LBS/GAL

MOLECULAR WEIGHT: N/A

VISCOSITY:

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F:

C:

SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY: x

CONDITIONS TO AVOID (STABILITY): Alkaline materials.

INCOMPATIBILITY (MATERIAL TO AVOID): NONE

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES: Reacts with alkalis and generates heat

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: N/A

SECTION 11 NOTES: Low oral toxicity, but ingestion may cause irritation to the gastro-intestinal tract

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: Potential hazard due to acidity of product.

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: DISPOSE OF MATERIAL IN ACCORDANCE TO ALL STATE, LOCAL, AND FEDERAL REGULATIONS.

RCRA HAZARD CLASS: N/A

Discharge used solution to drain.

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## SECTION 13: DISPOSAL CONSIDERATIONS (con't)

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SECTION 13 NOTES:

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: CLEANING COMPOUND, NOI, LIQUID

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT: N/A

### WATER TRANSPORTATION

PROPER SHIPPING NAME: CLEANING COMPOUND, NOI, LIQUID

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS: N/A

### AIR TRANSPORTATION

PROPER SHIPPING NAME: CLEANING COMPOUND, NOI, LIQUID

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS: N/A

OTHER AGENCIES:

SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS: This product is a "hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200

TSCA (TOXIC SUBSTANCE CONTROL ACT): EXCLUDED

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): EXCLUDED

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): EXCLUDED

311/312 HAZARD CATEGORIES: EXCLUDED

313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS: SUBJECT TO THE REPORTING REQUIREMENTS UNDER THE MASSACHUSETTS HAZARDOUS LIST  
SUBJECT TO REPORTING UNDER THE NEW JERSEY RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST.  
SUBJECT TO THE PENNSYLVANIA HAZARDOUS SUBSTANCE LIST.

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: HMIS rating

Health : 3

Flammability: 0

Physical Hazard: 0

PREPARATION INFORMATION: UPDATE SDS

### DISCLAIMER:

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