CHLORINE
UN1017
LIQUEFIED GAS UNDER PRESSURE, NON-FLAMMABLE

FOR USE AS A DISINFECTANT AND/OR ALGICIDE, by experienced personnel only, in the treatment of municipal water supplies, sewage and waste management plants, in accordance with all applicable federal, state, and local laws and regulations.

FOR USE IN MANUFACTURING PROCESSES, by trained personnel only, in the production of bleach, plastics, chlorinated solvents, refrigerants, and intermediates for products containing no chlorine. Proper training in safety and use of protective equipment are essential. Well designed and maintained handling and processing facilities are required.

FOR USE BY REPACKAGERS FOR THE ABOVE USES, in accordance with all applicable federal, state, and local laws and regulations.

Active Ingredient: Chlorine ............................................. 99.5%
Other Ingredients: ............................................................ 0.5%

KEEP OUT OF REACH OF CHILDREN

DANGER! POISON
* MAY BE FATAL IF INHALED
* CORROSIVE - CAUSES SEVERE BURNS

+ FIRST AID +

If inhaled: After properly protecting yourself, move person to fresh air. Contact a poison control center, emergency room or physician as soon as possible as further treatment will be necessary. If person is not breathing, call 911 or an ambulance, then give artificial respiration immediately. Trained personnel should administer humidified oxygen.

If on Skin or Clothing (contact with liquid chlorine): Use an emergency shower immediately for at least 15 minutes. Remove contaminated clothing under the shower. Call a Poison Control Center or doctor for treatment advice.

If on Skin (contact with gaseous chlorine): Immediately change contaminated clothing and wash exposed area with soap and water. Refer to a physician if irritation persists or if the skin is blistered or broken.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. If contact lenses are present, remove the lenses after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

Contact 1-412-434-4515 or your Poison Control Center for 24-hour emergency medical treatment information. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: Symptoms may become more severe up to 36 hours after exposure including pulmonary edema.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS

■ DANGER. Fatal if inhaled or absorbed through the skin. Corrosive. Causes irreversible eye damage and skin burns. Do not breathe vapors or get in eyes, on skin or clothing. Wear goggles, protective clothing and rubber gloves as discussed below. Wash hands thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.

■ PERSONAL PROTECTIVE EQUIPMENT. Applicators and other handlers must wear long-sleeved shirts, long pants, shoes, and socks

PPG INDUSTRIES, INC.
One PPG Place
Pittsburgh, PA 15272
L119A-LA-807K

SEE REVERSE SIDE FOR HANDLING AND STORAGE

NOTE: READ TAG BEFORE UNLOADING
### Chlorine Chemical Data Sheet

#### Exposure
Remove patient from contaminated area. If breathing, place in a comfortable position, keep warm and at rest until physician arrives. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration, preferably mouth-to-mouth. Call a physician as soon as possible. Keep patient at rest.

#### Spill or Leak
Immediately evacuate area. Only trained personnel wearing NIOSH-approved, full-face, self-contained breathing apparatus and full protective clothing may enter area to locate leak. DO NOT PUT WATER ON LEAK. Use appropriate emergency capping kit.

#### Fire
Cannot catch fire. Notify fire-fighting personnel chlorine containers are in area. Otherwise, keep containers cool with water spray. Chlorine will support combustion. Reacts readily with hydrocarbons, alcohols, ethers, ammonia, hydrogen, and some metals, sometimes with explosive violence. Will react with (burn) steel containers at temperatures above 450°F.

#### Emergency
Transportation Incident: Contact CHEMTREC at (800) 424-9300. In all other emergencies, contact PPG Industries, Inc., 1-412-434-4515.

---

### DANGER! Poison
- May be fatal if inhaled
- Corrosive - Causes severe burns

#### Directions for Use:
It is a violation of federal law to use this product in a manner inconsistent with the labeling. Have available full-face, self-contained breathing apparatus approved by the U.S. Mine Safety and Health Administration or the National Institute for Occupational Safety and Health. Handle and use only in accordance with practice recommended in the Chlorine Manual published by Chlorine Institute, Inc., New York. Use only in well-ventilated areas. Only specifically designed dispensing equipment should be used and only in accordance with manufacturer's instructions and according to state regulatory agency recommendations for dosages or residual chlorine levels which should be maintained for each specific site of application.

For specific information refer to the Chlorine Institute Pamphlet 66, “Chlorine Tank Car Loading, Unloading, Air Paddling, Hydrostatic Testing.”

Cars must be monitored during the unloading operation. When not in use or when car is left unattended, valves must be closed and unloading lines disconnected.

**ALWAYS BE PREPARED FOR AN EMERGENCY!** See Chlorine Institute Pamphlet 64, Emergency Control Planning Checklist.

#### Storage and Disposal
Chlorine tank cars and tank trailers are designed for reuse and must be returned to the supplier. The tank cars or tank trailers to be returned should be identified with DOT tag or label and shipping in accordance with supplier’s instructions. Bulk storage containers must not be left unlabeled and accessible to the general public. All storage containers must have a weather resistant label attached near outlet valve.
CARGO INFORMATION CARD

CHLORINE - UN1017 RQ
POISON-INHALATION HAZARD
Compressed, liquefied, greenish-yellow gas, acrid odor

CARGO TRANSFER - Use authorized personnel only, properly protected. Read MSDS

DANGER! ☠️ POISON ☠️
- MAY BE FATAL IF INHALED
- CORROSIVE - CAUSES SEVERE BURNS
- ENVIRONMENTAL HAZARD - This product is toxic to fish. Keep out of lakes, streams, ponds, or other waters.

HANDLING AND STORAGE
ALWAYS BE PREPARED FOR AN EMERGENCY! Refer to Chlorine Institute free pamphlets for further information. Store in well-maintained, fireproof area away from other containers. Keep away from heat and moisture. Heating could melt plugs on cylinders and ton tanks and cause safety valves on tank cars to vent, causing leaks. Moisture (more than 150 ppm or water) and chlorine can form hydrochloric and hypochlorous acids, which are corrosive. Never, place a leaking container in water or spray leaking container with water. Make sure piping is dry and free of contamination of any type before admitting chlorine. Use only dry, oil-free air (~40°F dew point minimum) or oil-free nitrogen for purging, testing for leaks, or padding. Never tamper with fusible plugs or safety devices on containers; never manifold containers from liquid valves. This product is toxic to fish. Keep out of lakes, streams, ponds, or other waters. Do not contaminate water by cleaning of equipment or disposal of wastes. PPG ships chlorine in bulk tank cars, tank trucks, barges and by pipeline.

PRECAUTIONARY STATEMENTS
- DANGER. Fatal if inhaled or absorbed through the skin. Corrosive. Causes irreversible eye damage and skin burns. Do not breathe vapors or get in eyes, on skin or clothing. Wear goggles, protective clothing and rubber gloves as discussed below. Wash hands thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.

IN CASE OF ACCIDENT

EXPOSURE
INHALATION: Immediately remove the exposed person upwind from contaminated area. Contact a poison control center, emergency room or physician as soon as possible as further treatment will be necessary. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen if equipment and trained personnel are available. If exposed person is breathing, place in a comfortable position. Keep exposed person warm and at rest until medical assistance becomes available. Effects may be delayed. Rest is recommended after exposure.
EYE/SKIN CONTACT: EYE: Remove contact lens and pour a gentle stream of warm water through the affected eye for at least 15 minutes. Contact a poison control center, emergency room or physician right away as further treatment will be necessary. SKIN: Run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. Contact a poison control center, emergency room or physician right away as further treatment will be necessary.

FIRE
Fire-fighters must wear NIOSH approved, pressure demand, self-contained breathing apparatus with full face piece for possible exposure to hazardous gases. Chlorine containers should be immediately removed from the vicinity of a fire. If they cannot be removed, notify firefighters and spray water to cool containers. Do not spray water on leaking containers. Chlorine will support combustion. It reacts readily with hydrocarbons, alcohols, ethers, and some metals, possibly with explosive violence. It will react with (burn) steel containers at temperatures above 450°F.

SPILL OR LEAK
Immediately evacuate area. Only trained personnel wearing NIOSH - approved, full-face, self-contained breathing apparatus and full protective clothing may enter area to locate leak. DO NOT PUT WATER ON LEAK. Use appropriate emergency capping kit.

EMERGENCY
Contact PPG Industries, Inc., 1-412-434-4515.

PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272

L119B-209J