



Distributed by: The Green Chemical Store Inc
Dallas Tx 75243
972-429-1719

Product # 2050

Technical Data Report

CHARGE

CONDENSATE DRAIN CLEANER

DESCRIPTION

Charge is a natural citrus base product that is designed to clear clogged drains and condensate drain lines. The high pressure spray through the 18" tube permits quick penetration directly to the source of the problem. Begins working immediately to flush algae, slime, hair and organic matter.

APPLICATIONS

Works great in showers, bathtubs, drain lines, grease traps and condensate drains. Excellent for use in industrial plants, schools, hotels/motels, restaurants and janitorial services.

FEATURES & BENEFITS

- Lessens the need for expensive service calls to unclog drains
- Harmless to plumbing and disposals
- Destroys noxious drain odors, leaving a pleasant citrus fragrance
- 18" clear extension tube allows product to be applied closer to the clog

SPECIFICATIONS

FORM: Aerosol
ODOR: Citrus
COLOR: Yellow Tint
DETERGENCY: Excellent
TOXICITY: None
WETTING ABILITY: Excellent
STORAGE STABILITY: 1 Year +
COLD STABILITY: 0°F
PHOSPHATES: None

FLASH POINT: 120°F TCC
FLAME EXTENSION: 18" +
SOLUBILITY IN WATER: 7%
SPECIFIC GRAVITY: 0.85
% VOLATILE BY VOLUME: 95% +
pH: N/A
PROPELLANT: Carbon Dioxide
EVAPORATION RATE: Medium
BIODEGRADABILITY: Yes

LABEL INFORMATION

CHARGE

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Charge is a natural citrus base product that is designed to clear clogged drains and condensate drain lines. The high pressure spray through the 18" tube permits quick penetration directly to the source of the problem. Begins working immediately to flush algae, slime, hair and organic matter.

DIRECTIONS FOR USE: Attach the 18" tube to the spray nozzle. Direct tube down the drain or the condensate drain from the evaporator, positioning tube opening as close to the clog as possible. Spray liberally. Allow ample time for product to penetrate and break down clog. Spray drain to flush. Reapply product periodically to maintain and keep the drain free flowing.

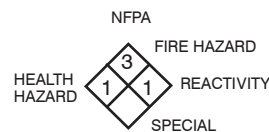
NOTE: TO PROTECT AGAINST BACK SPLASH WEAR EYE PROTECTION.

DANGER: FLAMMABLE. Keep out of reach of children. Do not puncture or incinerate container. Do not store at temperatures above 120°F. Prolonged exposure to heat or sunlight may cause bursting.

FIRST AID: IF SWALLOWED: Do not induce vomiting. Give a glass of water and call a physician. IF EYE CONTACT: Flush with water. If irritation persists, call a physician.

INGREDIENTS (CAS#): 1,8-p-Menthadiene (5989-27-5), Propane/n-Butane (68476-86-8), Nonionic Surfactant (127087-87-0), Carbon Dioxide (124-38-9).

HEALTH	1
FLAMMABILITY	2
REACTIVITY	1
PERSONAL	A



PACKAGING INFORMATION

12 – 20 oz. cans per case, 16 oz. net weight

Safety Data Sheet
Charge

SECTION I - IDENTIFICATION

PRODUCT NAME: Charge
PRODUCT CODE: 2050
PRODUCT USE: Drain Opener
COMPANY NAME: The Green Chemical Store Inc
COMPANY ADDRESS: Dallas Tx 75243
COMPANY PHONE: 972-429-1719
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1
Liquefied Gas
Skin Irritant: Category 2
Eye Irritant: Category 2A

HAZARD STATEMENT(S): DANGER: Extremely Flammable Aerosol Contains gas under pressure; May explode if heated.
Contains gas under pressure; May explode if heated. Causes skin and serious eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and 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. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear protective gloves and eye protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. 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 attention.



SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
1,8-p-Menthadiene	5989-27-5	60-100%
Propane/n-Butane	68476-86-8	10-30%
Carbon Dioxide	124-38-9	1-5%

SECTION IV - FIRST AID MEASURES

EYES: 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 or attention.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

SKIN: If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

Skin: Defatting and dermatitis

CHRONIC HEALTH HAZARDS: None known

NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.

UNSUITABLE EXTINGUISHING MEDIA: N/A

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SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: N/A

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Dispose in accordance with local, state and federal laws.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not flame cut, braze, or weld. Empty container very hazardous!

RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children.

INCOMPATIBILITY: Strong acids, strong alkalis, strong oxidizing agents.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
1,8-p-Menthadiene	Not Established	Not Established
Propane/n-Butane	1000 ppm	1000 ppm
Carbon Dioxide	5000 ppm	5000 ppm

ENGINEERING CONTROLS / VENTILATION: Use only outdoors or in a well-ventilated area.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves

ADDITIONAL MEASURES: Wash hands and clothing in contact with product after use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, Colorless to Pale Yellow Aerosol

ODOR: Citrus

ODOR THRESHOLD: 1ppm

BOILING POINT: N/D

FREEZING POINT: N/D

FLAMMABILITY: Extremely Flammable Aerosol

FLASH POINT: -15°F

AUTOIGNITION TEMPERATURE: N/D

LOWER FLAMMABILITY LIMIT: N/A

UPPER FLAMMABILITY LIMIT: N/A

VAPOR PRESSURE (mm Hg): 2 mmHg at 20°C.

VAPOR DENSITY (AIR=1): 4.7

EVAPORATION RATE: 1 Medium

SPECIFIC GRAVITY (H2O=1): 0.86

pH: N/A

SOLIDS (%): N/D

SOLUBILITY IN WATER: 100%

PARTITION COEFFICIENT: n-OCTANOL/WATER (Kow): N/D

VOLATILITY INCLUDING WATER (%): 100 %

VOLATILE ORGANIC COMPOUNDS (VOC): 88%

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DIELECTRIC STRENGTH (Volts): N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: None Known
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition.

INCOMPATIBILITY: Strong acids, strong alkalis, strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon
POSSIBLE HAZARDOUS REACTIONS: None Known

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not Established
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes irritation.
INGESTION: Causes gastrointestinal irritation.
INHALATION: No hazards with normal use. May cause irritation of the respiratory tract.
SKIN: Causes irritation
MEDICAL CONDITION AGGRAVATED: None known
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
CHRONIC HEALTH HAZARDS: None known
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Prevent run-off to sewers, streams or other bodies of water. If released material is not expected to bioconcentrate in organisms or persist in the environment. May decrease pH of waterways and adversely affect aquatic life.
BIODEGRADABILITY: This product is biodegradable.
BIOACCUMULATION: This product is not expected to bioaccumulate.
SOIL MOBILITY: This product is mobile in soil.
OTHER ECOLOGICAL HAZARDS: None Known

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not flame cut, braze, or weld. Empty container very hazardous!
RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950
PACKAGING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN 1950

SHIPPING BY WATER:

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1

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UN/NA NUMBER: UN 1950
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA 311/312 HAZARD CATEGORIES: Fire Hazard

SARA 313 REPORTABLE INGREDIENTS: None

STATE REGULATIONS: California Proposition 65: None

INTERNATIONAL REGULATIONS: All components are listed or exempted.

NFPA HEALTH: 1

HMIS HEALTH: 1

NFPA FLAMMABILITY: 2

HMIS FLAMMABILITY: 2

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

DATE PREPARED: 08/12/2013

REVISION DATE: 01/22/2015

N/A = Not Applicable; N/D = Not Determined

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