

SAFETY DATA SHEET

SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® Cleans-Rite™**

PRODUCT TYPE: Mass Air Flow Sensor Cleaner
PRODUCT CODE: C2018, C0618

MANUFACTURED FOR: Castle Products, Inc.
424 St. Paul Street
Rochester, NY 14605
800-876-0222 • FAX 585-325-4514
EMERGENCY 585-275-3232

SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: DANGER: Gases Under Pressure, Flammable, Acute Toxicity

POTENTIAL HEALTH EFFECTS: Eyes: Irritation upon direct contact.

Skin: May cause irritation, defatting, drying, and cracking.

Inhalation: Propellant is a simple asphyxiant. Inhalation of solvents may cause irritation.

Ingestion: Methanol may cause blindness and death.

Acute Exposure: Dizziness, nausea, irritation to skin and eyes.



SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS # | PEL | TLV | STEL | % |
|---------------------|-----------|----------|-----|------|--------|
| Toluene | 108-88-3 | 50 ppm | NE | NE | 30-60% |
| Propane | 74-98-6 | 1000 ppm | NE | NE | 10-30% |
| Xylene | 1330-20-7 | 100 ppm | NE | NE | 7-15% |
| Acetone | 67-64-1 | 750 ppm | NE | NE | 5-10% |
| Isobutane | 75-28-5 | 1000 ppm | NE | NE | 5-10% |
| Ethylbenzene | 100-41-4 | 100 ppm | NE | NE | 1-5% |
| Methyl ethyl ketone | 78-93-3 | 200 ppm | NE | NE | 1-5% |
| Methanol | 67-56-1 | 200 ppm | NE | NE | 1-5% |

SECTION 4 FIRST AID MEASURES

First Aid Procedures:

Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician if irritation persists.

Skin contact: For skin contact flush with large amounts of water. Call a physician if irritation persists.

Inhalation: Immediately remove from further exposure. Give supplemental oxygen, if breathing is difficult. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested, treat the affected person symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: -0.4°F (-15°C) LOWER EXPLOSIVE LIMIT: 1% UPPER EXPLOSIVE LIMIT: 12.8%

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Appropriate for surrounding fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: None.

SPECIAL FIRE FIGHTING PROCEDURES: Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.

Large Spills: Dike far ahead of liquid spill for later disposal. 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.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing. Wash hands after handling.
Storage: Keep from freezing. Keep containers tightly closed. Store in a cool, dry place.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: None Established.

Engineering controls: Use local exhaust ventilation.

Personal protective equipment:

Gloves: Not normally required.

Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Wear clothing suited to the task being performed.

Respiratory Protection: Not normally required if good ventilation is maintained.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

| | | | |
|-----------------------|----------------------|--|------------------------|
| BOILING POINT: | 134-334°F (57-168°C) | SPECIFIC GRAVITY (H ₂ O=1): | 0.84-0.88 |
| VAPOR PRESSURE: | 55-65 | PERCENT VOLATILE BY VOL %: | 99-100% |
| VAPOR DENSITY (air=1) | >1 | EVAPORATION RATE (Butyl Acetate=1): | >1 |
| SOLUBILITY IN WATER: | Negligible | APPEARANCE & ODOR: | Clear liquid / solvent |
| pH: | NA | | |

SECTION 10 STABILITY and REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (material to avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrocarbon fumes and smoke where combustion is incomplete.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Components Test Results:

Reproductive Effects: High exposures to xylene in some animal studies, often at levels toxic to the mother, affected embryo/fetal development. The significance of this finding to humans is unknown. Prolonged and repeated exposure of pregnant animals to toluene has been reported to cause adverse fetal developmental effects.

Carcinogenicity: Xylene contains ethylbenzene, and has been shown to cause cancer in laboratory animals. Toxicity tests carried out for chronic effects and mutagenicity have been negative. IARC has classified ethylbenzene as a possible human carcinogen.

SECTION 12 ECOLOGICAL INFORMATION

Component Test Results: Not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose according to all applicable Federal, State, and Local regulations.

SECTION 14 TRANSPORT INFORMATION

T.D.G Classification: Aerosol, limited quantity; Class 2.1 (8), UN 1950.

D.O.T. Classification: Consumer commodity, ORM-D

SECTION 15 REGULATORY INFORMATION

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 16 OTHER INFORMATION

Further information: (HMIS® is a registered trade and service mark of the NPCA.)

HMIS® ratings Health: 2
 Flammability: 4
 Physical hazard: 0

NFPA code 30B: Level 3

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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PREPARED: 7/19/93

UPDATED: 12/9/16

PRODUCT #: C2018, C0618