

1. Product and Company Identification

Product Identification

FOUNDRY CORE CLEANER 5095

Company Name

GENERAL CHEMICAL CORP

Company Address

12336 Emerson Dr Brighton MI 48116 USA

Contact Phone Number

(248) 587-5600

Emergency Phone (Day or Night)

(800) 424-9300

Number (Call Collect from Outside U.S.A)

+1 703-527-3887

2. Hazard Identification

GHS Hazard Categories

- Acute tox, oral Cat 4
- Acute tox, dermal Cat 4
- Serious eye damage/eye irritation Cat 1
- Serious eye damage/eye irritation Cat 3

2.2 GHS Label Elements

GHS Signal Word

Danger

GHS Pictogram

- Corrosion



- Exclamation Mark



GHS Hazard Statements

- H302: Harmful if swallowed
- H312: Harmful in contact with skin
- H314: Causes severe skin burns and eye damage

GHS Precautionary Statements

- P260: Do not breathe dust/fume/gas/mist/vapours/spray
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P310: Immediately call a POISON CENTER or doctor/physician
- P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+340: IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
- P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
- P405: Store locked up

3. Composition / Information on Ingredients

List

Chemical Name(s)	CAS Number	% Weight
Water	7731-18-5	40 - 50
potassium hydroxide	1310-58-3	20 - 40
Monoethanolamine	141-43-5	5 - 30
Benzyl Alcohol	100-51-6	0 - 25

4. First Aid Measures

Inhalation

If adverse effects such as dizziness, nausea, or irritation are noted, move person to fresh air. If not breathing, give artificial respiration. Get medical attention!

Skin Contact

Immediately wash skin with large amounts of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

Eye Contact

THE OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY, THEN SEEK MEDICAL ATTENTION!
Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. SEEK MEDICAL ATTENTION IMMEDIATELY!

Ingestion

Call a physician or emergency medical facility immediately!

5. Firefighting Measures

5.1 Extinguishing Media

Most appropriate for surrounding fire
5.2 Unusual Fire & Explosion Hazard Low fire hazard when exposed to heat and flame. Product is not flammable or combustible.
5.3 Advice for Firefighters Firefighters should wear a self-contained breathing apparatus with a full facepiece operated in pressure demand or other positive pressure mode, and protective clothing.
Flash Point: > 212°F Method Used: Tagliabue Closed Cup Flammable Limits in Air % by Volume: LEL: N/D UEL: N/D
6. Accidental Release Measures
If material is spilled, absorb with sand, earth, or similar inert material. Place in closed, labeled containers for proper disposal. CERCLA (Superfund) Reportable Quantity (in lbs 4,040 lbs (390 gallons) - Potassium hydroxide (1,000 lbs)
7. Handling and Storage
7.1 Precautions for Safe Handling Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing vapor; use with adequate ventilation
7.2 Conditions for Safe Storage, Including Any Incompatibilities KEEP FROM FREEZING! Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels.
7.3 Specific End Use Considerations If this solution is mixed with water, heat will be given off. When diluting, always add this solution to water SLOWLY with constant mixing, in order to avoid splattering.
8. Exposure Control/Personal Protection
Eye Protection Safety glasses with side shields. Do NOT wear contact lenses. Chemical
Skin and Body Protection Eye wash and safety shower should be readily available. Wear a chemical resistant apron and boots where splashing is possible.
Respiratory Protection Use NIOSH / MSHA approved respirator where high vapor or mist concentrations are present.
Hand Protection Protective Gloves: Wear chemical resistant gloves goggles and/or faceshield should be worn where

splashing is possible.
Hygiene Measures <p>Protective equipment and clothing should be selected, used and maintained according to applicable standards and regulations. For further information, contact the clothing or equipment manufacturer. Do not eat, drink, or smoke while using this product. Wash hands prior to eating, drinking, smoking, or using restrooms. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work shift.</p>
<p>Local Exhaust: None normally required. Local exhaust may be needed under special circumstances such as poorly ventilated areas, evaporation from large surfaces, spraying, heating, etc</p> <p>Mechanical Exhaust: Special ventilation is suggested at points where vapors can be expected to escape to the workplace air.</p>
9. Physical and Chemical Properties
Appearance <p>Clear, colorless liquid</p>
Specific Gravity (H2O=1) <p>1.23-1.25</p>
% volatile by volume <p>58-62</p>
% solid by weight <p>38-42</p>
Weight per gallon <p>10.3 - 10.4 lbs/gal</p>
Theoretical VOC <p>N/D</p>
Odor <p>mild caustic odor</p>
pH <p>> 13</p>
Boiling Point <p>> 212 °F</p>
Vapor Pressure <p>N/D</p>
Vapor Density <p>N/D</p>

Water Solubility Complete
Reactivity in Water: Exothermic, heat will be generated Analytical VOC (EPA Method 24) : 0 lbs/gal
10. Stability and Reactivity
Known Hazardous Reactions Hazard Polymerization: Will not occur.
Conditions to Avoid Heat and prolonged contact with soft metals
Incompatible Materials Strong acid, halogenated compounds, and oxidizers.
Hazardous Decomposition Products Ammonia, aldehydes, ketones, oxides of nitrogen and car bon.
11. Toxicological Information
Potassium hydroxide [CASRN 001310-58-3] ACUTE TOXICITY Oral LD50 (rat) = 365 mg/kg Primary skin irritation (rabbit, 24 hr) - Severe Primary eye irritation (rabbit, 24 hr) - Severe Human Dermal Exposure: Severity of damage and extent of irreversibility increases with concentration and contact time. Prolonged contact with potassium hydroxide solution (>2.0%) can cause a high degree of tissue destruction. The latent period, following skin contact during which no sensation of irritation occurs varies with concentration. [14,23-2,15,11,0,6-101998] Monoethanolamine [CASRN 000141-43-5] ACUTE TOXICITY Oral LD50 (rat) = 1.00 - 2.00 g/kg Eye irritation (rabbit): Draize; 80.0 - 110 ; extreme irritation Dermal LD50 (rabbit) > 1.6 g/kg Skin irritation (rabbit): Draize; 6.5- 8.0 ; corrosive Prolonged and repeated ingestion of monoethanolamine has caused kidney and liver damage in laboratory animals. [7,20-12,4,0-091200], [3-12-092600] & [20,2-12-061900]
12. Ecological Information
Potassium hydroxide [CASRN 001310-58-3] ECOTOXICITY 96 hr - LC50 (fathead minnow) = 179 mg/L* 48 hr - EC50 (water flea) = 60 mg/L* 96 hr - EC50 (green algae) = 61 mg/L* * 45.25 % aqueous KOH solution ENVIRONMENTAL FATE DATA: Inorganic, not subject to biodegradation This material has produced slight toxicity in laboratory tests with aquatic organisms. This material is strongly alkaline. If released to surface water, this compound will cause the pH to rise dependent on the buffering capacity of the waterbody. Aquatic organisms become increasingly

<p>stressed as pH exceeds 9, with many aquatic species being intolerant of pH in excess of 10. This compound does not bioaccumulate in organisms. Due caution should be exercised to prevent the accidental release of this material to the environment. [14,23-2,15,11,0,6-101998]</p> <p>Monoethanolamine [CASRN 000141-43-5]</p> <p>ECOTOXICITY</p> <p>48 hr - LC50 (daphnia) = 33-93 mg/L 96 hr - LC50 (fathead minnow) = 125-206 mg/l</p> <p>IC50 (bacteria) > 700 mg/l</p> <p>IC50 Activated Sludge Respiration Inhibition Test (OECD Test No. 209) is >1000 mg/L.</p> <p>FATE</p> <p>BOD Day 5 - 52-60% Theoretical Oxygen Demand (ThOD): 1.31 mg/mg, calc.</p> <p>BOD Day 10 - 73-75% Octanol/Water Partition Coefficient : -1.31, measured</p> <p>BOD Day 20 - 90-100 % Henry's law constant (H): 2.45E-7 atm m3/mole (estimated)</p> <p>Log Koc: 0.70 (estimated)</p> <p>CO2 Evolution test (Modified Sturm test, OECD Test 301 B) after 28 days: 97%. Modified OECD Screening test (OECD Test 301 E) after 28 days: 94%.</p> <p>Manometric Respirometry test (OECD Test 301 F) after 28 days: > 70%</p> <p>[7,20-12,4,0-091200], [3-12-092600] & [20,2-12-061900]</p>
13. Disposal Considerations
<p>Product Disposal Considerations:</p> <p>In accordance with all federal, state and local requirements.</p>
<p>RCRA HAZARD CLASS</p> <p>D002</p>
14. Transportation Information
<p>Hazardous Material Description (Proper shipping name, hazard class, hazard ID#, packing group):</p> <p>Domestic ground non-bulk: UN1760, CORROSIVE LIQUIDS, N.O.S., 8, PG II (POTASSIUM HYDROXIDE, ETHANOLAMINE)</p> <p>Domestic ground bulk: UN1760, CORROSIVE LIQUIDS, N.O.S., 8, PG II (POTASSIUM HYDROXIDE, ETHANOLAMINE)</p> <p>International: UN1760, CORROSIVE LIQUIDS, N.O.S., 8, PG II (POTASSIUM HYDROXIDE, ETHANOLAMINE)</p>
15. Regulatory Information
<p>SARA TITLE III (313):</p> <p>'This product contains the following chemical(s) above deminis concentrations and may be subject to reporting under section 313: None</p>
<p>HMIS-Health:</p> <p>3</p>
<p>HMIS-Fire:</p> <p>0</p>
<p>HMIS-Reactivity:</p>

0
NFPA-Health: 3
NFPA-Flammability: 0
NFPA-Reactivity: 0
16. Other Information
SDS Revision: 12/29/20
Date: 7/13/2018
SDS Author: General Chemical Corp
Additional Information:
Disclaimer: <p>The development of this Safety Data Sheet (SDS) relies upon information provided to us by each of our raw material suppliers. This SDS will be updated as changes occur to their SDS(s).</p> <p>We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarantee, expressed or implied, and we assume no responsibility for losses or damage, direct or indirect, as a result of their use.</p>

HEALTH	3
FIRE	0
REACTIVITY	0
PPE	0

