



1. Product and Company Identification
<div>Product Identification</div> <div>TRUE GRIT HAND CLEANER 5369</div>
<div>Product Code</div> <div>HC-5369</div>
<div>Company Name</div> <div>GENERAL CHEMICAL CORP</div>
<div>Company Address</div> <div>12336 Emerson Dr Brighton MI 48116 USA</div>
<div>Transportation (General Chemical Corp)</div> <div>(248)587-5600</div>
<div>Emergency Phone (Day or Night)</div> <div>(800)424-9300</div>
<div>Number (Call Collect from Outside U.S.A)</div> <div>+1 703-527-3887</div>
2. Hazard Identification
<div>GHS Hazard Categories</div> <div><ul style="list-style-type: none"><li>Aspiration hazard Cat 1</li></ul></div>
2.2 GHS Label Elements
<div>GHS Signal Word</div> <div>Warning</div>
<div>GHS Pictogram</div> <div><ul style="list-style-type: none"><li>Health Hazard</li></ul><ul style="list-style-type: none"><li>Exclamation Mark</li></ul></div>

<b>GHS Hazard Statements</b> <ul style="list-style-type: none"><li>• H241: Heating may cause a fire or explosion</li><li>• H242: Heating may cause a fire</li></ul>		
<b>GHS Precautionary Statements</b> <ul style="list-style-type: none"><li>• P211: Do not spray on an open flame or other ignition source</li><li>• P220: Keep/Store away from clothing/.../combustible materials</li><li>• P261: Avoid breathing dust/fume/gas/mist/vapours/spray</li><li>• P264: Wash thoroughly after handling</li><li>• P270: Do not eat, drink or smoke when using this product</li><li>• P273: Avoid release to the environment</li><li>• P381: Eliminate all ignition sources if safe to do so</li><li>• P302+352: IF ON SKIN: Wash with soap and water</li><li>• P501: Dispose of contents/container in accordance with local/regional/national regulations</li></ul>		
<b>3. Composition / Information on Ingredients</b>		
<b>List</b>		
<b>Chemical Name(s)</b>	<b>CAS Number</b>	<b>% Weight</b>
naphtha, petroleum	64742-48-9	30-45
hydrotreated middle distillate	64742-46-7	15-30
water	7732-18-5	25-40
<b>4. First Aid Measures</b>		
<b>Inhalation</b> <p>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!</p>		
<b>Skin Contact</b> <p>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.</p>		
<b>Eye Contact</b> <p>Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.</p>		
<b>Ingestion</b> <p>DO NOT INDUCE VOMITING! Contact a physician immediately!</p>		
<b>5. Firefighting Measures</b>		
<b>5.1 Extinguishing Media</b> <p>Use media appropriate for surrounding fire.</p>		
<b>5.2 Unusual Fire &amp; Explosion Hazard</b> <p>Low fire hazard when exposed to heat and flame. Product is not flammable or combustible.</p>		
<b>5.3 Advice for Firefighters</b>		

Wear a self-contained breathing apparatus when fighting fire in an enclosed area.
Flash Point: >200°F Method Used: Pensky-Martens Closed Cup Flammable Limits in Air % by Volume: LEL: N/E UEL: N/E
<b>6. Accidental Release Measures</b>
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): None.
<b>7. Handling and Storage</b>
<b>7.1 Precautions for Safe Handling</b> Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing vapor; use with adequate ventilation.
<b>7.2 Conditions for Safe Storage, Including Any Incompatibilities</b> KEEP FROM FREEZING! Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels.
<b>7.3 Specific End Use Considerations</b> Do not reuse container without recycling or reconditioning. Handle empty containers as if they were full.
<b>8. Exposure Control/Personal Protection</b>
<b>Eye Protection</b> Safety glasses with side shields. Do NOT wear contact lenses. Chemical goggles and/or faceshield should be worn where splashing is possible.
<b>Skin and Body Protection</b> Eye wash and safety shower should be readily available.
<b>Respiratory Protection</b> Use NIOSH / MSHA approved respirator where high vapor or mist concentrations are present.
<b>Hand Protection</b> Protective Gloves: Wear chemical resistant gloves.
<b>Hygiene Measures</b> Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink, or smoke while using this product. Wash up prior to eating, drinking, or using the restroom.
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.  Mechanical Exhaust: Mechanical ventilation should be sufficient to maintain exposure levels

below exposure limits.
<b>9. Physical and Chemical Properties</b>
<b>Appearance</b> Opaque, white to beige viscous liquid
<b>Specific Gravity (H2O=1)</b> 0.9-1.0
<b>% volatile by volume</b> 40-45%
<b>% solid by weight</b> 55-60%
<b>Weight per gallon</b> 7.5 - 8.5 lbs/gal
<b>Theoretical VOC</b> 2.5-3.0 lbs/gal
<b>Odor</b> mild odor
<b>pH</b> 7 - 8
<b>Boiling Point</b> 212 °F (initial)
<b>Vapor Pressure</b> N/E
<b>Vapor Density</b> N/E
<b>Water Solubility</b> Appreciable
Reactivity in Water: None.  Analytical VOC (EPA Method 24): 2.5-3.0 lbs/gal
<b>10. Stability and Reactivity</b>
<b>Known Hazardous Reactions</b> Hazard Polymerization: Will not occur.
<b>Conditions to Avoid</b>

Heat, sparks, or open flame.
<b>Incompatible Materials</b> Strong oxidizers.
<b>Hazardous Decomposition Products</b> Various hydrocarbons and oxides of carbon.
Stability: Stable
<b>11. Toxicological Information</b>
<p>Hydrotreated Middle Distillate [CASRN 064742-46-7]</p> <p>ACUTE HEALTH HAZARDS: Practically non-toxic. May cause nausea, vomiting, and diarrhea.</p> <p>CHRONIC HEALTH HAZARDS: Dermatitis, pneumonitis and pulmonary edema. According to IARC Monographs, severely hydrotreated oils, such as this product, are not considered carcinogenic.</p> <p>SIGNS &amp; SYMPTOMS: Headache, drowsiness, eye, respiratory or skin irritation, nausea, numbness. [19,15-19,7,3,5,D,A,A-010194]</p> <p>Surfactant</p> <p>ACUTE TOXICITY</p> <p>Oral LD50 (rat, ♀) = 2.83 ml/kg Eye Irritation (rabbit) = 0.005 ml (severe corneal injury)</p> <p>Oral LD50 (rat, ♂) = 2.33 ml/kg Eye Irritation (rabbit) = 0.5 ml; 15% dilution in water (severe corneal injury)</p> <p>Dermal LD50 (rabbit, 24 hr) = 2.83 ml/kg Dermal Irritation (rabbit) - 24 hr. uncovered (minimal capillary injection)</p> <p>Inhalation (rat, 8 hr, rm. tmp.) - mortality 0/6 Inhalation (rat, 8 hr, 170 °C) - mortality 0/6 [20,2-19,13,15,J,18-102300]</p> <p>Hydroxypropyl methylcellulose [CASRN 009004-65-3]</p> <p>ACUTE TOXICOLOGY Oral LD50 (rat) &gt; 10,000 mg/kg</p> <p>INHALATION: Single exposure to dust is not likely to be hazardous.</p> <p>SKIN: Essentially non-irritating. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.</p> <p>EYES: Solid or dust may cause corneal injury due to mechanical action.</p> <p>INGESTION: Single dose oral toxicity is low. No hazards anticipated from ingestion incidental to industrial exposure.</p> <p>SYSTEMIC &amp; OTHER EFFECTS: Based on available data, repeated exposures are not anticipated to cause any significant adverse effects. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus.</p> <p>[3-12,I,F,G,13,7,12-021092] &amp; [3,14-12,D,B,B,7,12-021092]</p>
<b>12. Ecological Information</b>
<p>Surfactant</p> <p>ECOTOXICITY</p> <p>48 hr - LC50 (daphnia magna) = 21.4 mg/L 96 hr - LC50 (fathead minnow) = 4.8 - 7.7 mg/L</p> <p>96 hr - LC50 (fathead minnow) = 6.6 mg/L IC50 (bacteria) &gt; 5000 mg/L</p> <p>ENVIRONMENTAL FATE</p> <p>BOD 5 3-18 % Closed Bottle BOD (% Oxygen cons.) = 16%</p> <p>BOD 10 32-36 % Chemical Oxygen Demand (COD) - 2.23 mg/mg, measured</p>

<div>BOD 20 42-51% Chemical Oxygen Demand (COD) - 2.09 mg/mg, calc</div> <div>DOC 7 61% STURM (% Carbon dioxide evolved) = 52.4-59%</div> <div>DOC 14 66% Theoretical Oxygen Demand (ThOD) - 2.09 mg/mg, measured</div> <div>DOC 21 70%</div> <div>DOC 28 72%</div> <div>Appropriate treatment of effluents will reduce levels of nonylphenol ethoxylate (NPE) residues to concentrations that should pose no harm to the environment, including protection for weak estrogen-mimetic activity observed for some degradation intermediates. [20,2-19,13,15,J,18-102300]</div> <div></div> <div>Hydroxypropyl methylcellulose [CASRN 009004-65-3]</div> <div>DEGRADATION Based on information for methocellulose. Biodegradation may occur under aerobic conditions (in the presence of oxygen). The half-life in activated sludge is less than 20 days.</div> <div>MOVEMENT No bioconcentration is expected because of the high molecular weight (&gt; 1000). [3-12,I,F,G,13,7,12-042399] &amp; [3,14-12,D,B,B,7,12-021092]</div>
<div>13. Disposal Considerations</div>
<div>Product Disposal Considerations:</div> <div>In accordance with all federal, state and local requirements.</div>
<div>RCRA HAZARD CLASS</div> <div>N/A</div>
<div>14. Transportation Information</div>
<div>Hazardous Material Description: (Proper shipping name, hazard class, hazard ID#, packing group)</div> <div></div> <div>Domestic ground non-bulk: NOT REGULATED</div> <div>Domestic ground bulk: NOT REGULATED</div> <div>International: NOT REGULATED</div>
<div>15. Regulatory Information</div>
<div>SARA TITLE III (313):</div> <div>This product contains the following chemical(s) above deminis concentrations and may be subject to reporting under section 313: None</div>
<div>HMIS-Health:</div> <div>1</div>
<div>HMIS-Fire:</div> <div>1</div>
<div>HMIS-Reactivity:</div> <div>0</div>
<div>NFPA-Health:</div> <div>1</div>

<b>NFPA-Flammability:</b> 1
<b>NFPA-Reactivity:</b> 0
<b>16. Other Information</b>
<b>SDS Revision:</b> NONE
<b>Date:</b> 1/4/2018
<b>SDS Author:</b> GENERAL CHEMICAL CORP
<b>Additional Information:</b>
<b>Disclaimer:</b> <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). We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarentee, expressed or implied, and we assume no responsibility for losses or damage, direct or indirect, as a result of their use.</p>

HEALTH	1
FIRE	1
REACTIVITY	0
PPE	0

