

CORN SYRUP

CSY

| CAUTIONARY RESPONSE INFORMATION | | | | 4. FIRE HAZARDS | 7. SHIPPING INFORMATION | | | | | | |
|---|--|--|---|---|--|--|--|--|--|--|--|
| Common Synonyms | Thick liquid | Colorless | Odorless Sinks and mixes with water. | <p>4.1 Flash Point: Not flammable</p> <p>4.2 Flammable Limits in Air: Not flammable</p> <p>4.3 Fire Extinguishing Agents: Not pertinent</p> <p>4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent</p> <p>4.5 Special Hazards of Combustion Products: Not pertinent</p> <p>4.6 Behavior in Fire: Not pertinent</p> <p>4.7 Auto Ignition Temperature: Not flammable</p> <p>4.8 Electrical Hazards: Not pertinent</p> <p>4.9 Burning Rate: Not flammable</p> <p>4.10 Adiabatic Flame Temperature: Currently not available</p> <p>4.11 Stoichiometric Air to Fuel Ratio: Not pertinent</p> <p>4.12 Flame Temperature: Currently not available</p> <p>4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent</p> <p>4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</p> | <p>7.1 Grades of Purity: Currently not available</p> <p>7.2 Storage Temperature: Ambient</p> <p>7.3 Inert Atmosphere: No requirement</p> <p>7.4 Venting: Currently not available</p> <p>7.5 IMO Pollution Category: Currently not available</p> <p>7.6 Ship Type: Currently not available</p> <p>7.7 Barge Hull Type: Currently not available</p> | | | | | | |
| Fire | Not flammable. | | | 8. HAZARD CLASSIFICATIONS | | | | | | | |
| Exposure | Not harmful. | | | <p>8.1 49 CFR Category: Not listed</p> <p>8.2 49 CFR Class: Not pertinent</p> <p>8.3 49 CFR Package Group: Not listed</p> <p>8.4 Marine Pollutant: No</p> <p>8.5 NFPA Hazard Classification: Not listed</p> <p>8.6 EPA Reportable Quantity: Not listed</p> <p>8.7 EPA Pollution Category: Not listed</p> <p>8.8 RCRA Waste Number: Not listed</p> <p>8.9 EPA FWPCA List: Not listed</p> | | | | | | | |
| Water Pollution | Dangerous to aquatic life in high concentrations. May be dangerous if it enters water intakes. Notify local health and pollution control officials. Notify operators of nearby water intakes. | | | 9. PHYSICAL & CHEMICAL PROPERTIES | | | | | | | |
| 1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge | | 2. CHEMICAL DESIGNATIONS <p>2.1 CG Compatibility Group: 43; Miscellaneous Water Solutions</p> <p>2.2 Formula: Not pertinent</p> <p>2.3 IMO/UN Designation: Not listed</p> <p>2.4 DOT ID No.: Not listed</p> <p>2.5 CAS Registry No.: Currently not available</p> <p>2.6 NAERG Guide No.: Not listed</p> <p>2.7 Standard Industrial Trade Classification: Currently not available</p> | | | | | | | | | |
| 3. HEALTH HAZARDS | | | | | | | | | | | |
| <p>3.1 Personal Protective Equipment: None</p> <p>3.2 Symptoms Following Exposure: Not toxic</p> <p>3.3 Treatment of Exposure: None</p> <p>3.4 TLV-TWA: Not listed.</p> <p>3.5 TLV-STEL: Not listed.</p> <p>3.6 TLV-Ceiling: Not listed.</p> <p>3.7 Toxicity by Ingestion: None</p> <p>3.8 Toxicity by Inhalation: Currently not available.</p> <p>3.9 Chronic Toxicity: None</p> <p>3.10 Vapor (Gas) Irritant Characteristics: Not pertinent</p> <p>3.11 Liquor or Solid Characteristics: None</p> <p>3.12 Odor Threshold: Odorless</p> <p>3.13 IDLH Value: Not listed.</p> <p>3.14 OSHA PEL-TWA: Not listed.</p> <p>3.15 OSHA PEL-STEL: Not listed.</p> <p>3.16 OSHA PEL-Ceiling: Not listed.</p> <p>3.17 EPA AEGL: Not listed</p> | | | | | | | | | | | |
| 5. CHEMICAL REACTIVITY | | | | | | | | | | | |
| <p>5.1 Reactivity with Water: No reaction</p> <p>5.2 Reactivity with Common Materials: No reaction</p> <p>5.3 Stability During Transport: Liquid</p> <p>5.4 Neutralizing Agents for Acids and Caustics: Not pertinent</p> <p>5.5 Polymerization: Not pertinent</p> <p>5.6 Inhibitor of Polymerization: Not pertinent</p> | | | | | | | | | | | |
| 6. WATER POLLUTION | | | | | | | | | | | |
| <p>6.1 Aquatic Toxicity: None</p> <p>6.2 Waterfowl Toxicity: None</p> <p>6.3 Biological Oxygen Demand (BOD): 53%, 5 days; 99% (theor.), 5 days</p> <p>6.4 Food Chain Concentration Potential: None</p> <p>6.5 GESAMP Hazard Profile: Not listed</p> | | | | | | | | | | | |
| NOTES | | | | | | | | | | | |

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| 9.20 SATURATED LIQUID DENSITY | | 9.21 LIQUID HEAT CAPACITY | | 9.22 LIQUID THERMAL CONDUCTIVITY | | 9.23 LIQUID VISCOSITY | |
|----------------------------------|-----------------------|------------------------------|-------------------------------------|-------------------------------------|---|----------------------------|-------------|
| Temperature (degrees F) | Pounds per cubic foot | Temperature (degrees F) | British thermal unit per pound-F | Temperature (degrees F) | British thermal unit inch per hour-square foot-F | Temperature (degrees F) | Centipoise |
| 35 | 89.599 | 68 | 0.716 | | N O T | | N O T |
| 40 | 89.419 | 69 | 0.716 | | | | |
| 45 | 89.250 | 70 | 0.716 | | | | |
| 50 | 89.080 | 71 | 0.716 | | | | |
| 55 | 88.900 | 72 | 0.716 | | | | |
| 60 | 88.730 | 73 | 0.716 | | | | |
| 65 | 88.559 | 74 | 0.716 | | | | |
| 70 | 88.379 | 75 | 0.716 | | | | |
| 75 | 88.209 | 76 | 0.716 | | | | |
| 80 | 88.040 | 77 | 0.716 | | | | |
| 85 | 87.860 | 78 | 0.716 | | | | |
| 90 | 87.690 | 79 | 0.716 | | | | |
| 95 | 87.520 | 80 | 0.716 | | | | |
| 100 | 87.339 | | | | | | |

| 9.24 SOLUBILITY IN WATER | | 9.25 SATURATED VAPOR PRESSURE | | 9.26 SATURATED VAPOR DENSITY | | 9.27 IDEAL GAS HEAT CAPACITY | |
|-----------------------------|--------------------------------------|----------------------------------|---|---------------------------------|---|---------------------------------|---|
| Temperature (degrees F) | Pounds per 100 pounds of water | Temperature (degrees F) | Pounds per square inch | Temperature (degrees F) | Pounds per cubic foot | Temperature (degrees F) | British thermal unit per pound-F |
| | M I S C I B L E | | N O T P E R T I N E T | | N O T P E R T I N E T | | N O T P E R T I N E T |