

TWEEN® 20

DRAFT: 23-Aug-2019

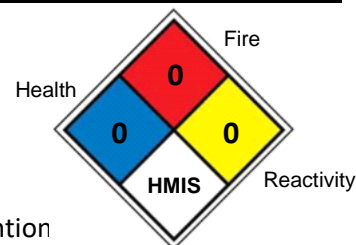
1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: TWEEN® 20
Catalog #: ACC 00528
Product Use: Surfactant
Manufacturer: Agdia, Inc.
 52642 County Road 1
 Elkhart, IN 46514
 (574) 264-2014
Contact: Safety Program Facilitator
Fax: (574) 264-2153
Email: info@agdia.com
Web: www.agdia.com
Emergency: Contact physician or poison control hotline.

2 HAZARDS IDENTIFICATION

GHS Classification: Not Hazardous

GHS Pictograms:



Precautions: If exposed or concerned, seek medical advice or attention
GHS Hazards: None identified.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Formula: Polyoxyethylene sorbitan monolaurate (TWEEN® 20), CAS # 9005-64-5.
 TWEEN® is a registered trademark of Croda International PLC.

4 FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, provide oxygen. Seek medical attention if needed.
Skin Contact: If skin irritation occurs, wash with soap and water.
Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Ingestion: Rinse mouth with water. Consult a physician if needed.

5 FIRE FIGHTING MEASURES

Fire Fighting: Not expected to ignite. If involved in a fire, use appropriate extinguishing agent for surrounding fire.
Specific Fire Hazards: None known.

6 ACCIDENTAL RELEASE MEASURES

Accidental Release: Wear suitable laboratory protective clothing. Pick up excess with inert absorbant material and place into separate waste container. Flush area with warm soapy water.

7 HANDLING AND STORAGE

Handling Precautions: Use standard laboratory safety practices. Protective gear shown in Section 8.
Storage Requirements: Store at room temperature in a well ventilated area.

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8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering Controls:** Use mechanical (general) ventilation for storage areas.**Protective Equipment:** No special protective equipment required. Handle in accordance with good industrial hygiene and safety practices. If substance is a powder, nuisance exposures may be avoided with use of type P95 (US) or type P1 (EU EN 143) particle respirator.**Exposure Guidelines:** PEL - None Established. TLV - None Established.**9 PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Clear to yellowish, viscous liquid **Odor:** None **Flash Point:** > 110°C (> 230 °F) - closed cup**Physical State:** Liquid **pH:** 7.0 **Autoflammability:** Not available.**Solubility:** Completely soluble in water**Other Information:** Initial Boiling point: 100 °C (212 °F); Vapour pressure: < 1.33 hPa (< 1.00 mmHg); Relative density: 1.095 g/mL at 25 °C (77 °F). No additional physical or chemical information available.**10 STABILITY AND REACTIVITY****Reactivity Hazards:** None known.**Conditions To Avoid:** None known.**Stability:** Stable under normal conditions.**Materials To Avoid:** Strong oxidizing agents.**Hazardous By-products:** No hazardous reactions nor hazardous decomposition products known.**11 TOXICOLOGICAL INFORMATION****Toxicology Information:** The complete chemical, physical, and toxicological properties of this material have not been thoroughly investigated to the best of Agdia's knowledge.**12 ECOLOGICAL INFORMATION****Ecological Information:** No data available.**13 DISPOSAL CONSIDERATIONS****Disposal:** Dispose of in accordance with local regulations.**14 TRANSPORT INFORMATION****Transport Information:** Not dangerous goods per DOT, IATA, and IMDG.**15 REGULATORY INFORMATION****Regulatory Information:** CERCLA: Not Applicable. SARA Title III: No chemicals in this material are subject to the reporting requirements of SARA Title III.**16 OTHER INFORMATION****Disclaimer:** Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s). This information only describes safety measures and no liability may arise from the use or application of the product described herein. This information is given in good faith and based on our current knowledge of the product. For R&D use only. Not for drug, household or other uses.