



Material Safety Data Sheet

1. Product & Company Identification.

Product Identification: R&R551 (Industrial Surfactant Blend), non-edible
Product Code: 700551
Manufacturer: Archer Daniels Midland Company
4666 Faries Parkway
Decatur, IL 62526, USA
Telephone Number: 217 424-5200

2. Composition/Information on Ingredients.

Product Name: **R&R551**
Product Class: Surfactant Blend
Product Code: 700551
CAS NO: Mixture of: Lecithin (8030-76-0); nonionic surfactant (9016-45-9);
propylene glycol (57-56-6)
Description: Brown to yellow viscous fluid, bland aroma

3. Hazard Identification.

This product is considered an OSHA acute hazardous material as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 due to the fact that it may cause irritation to the eyes, skin and respiratory tract.
See Effects of Overexposure for more detail.

Effects of over exposure: May cause slight irritation to the skin and eyes. Vapors or mist in excess concentrations such as generated from spraying or heating the product may cause irritation of the nose and throat, headache, nausea and drowsiness. Ingestion may cause abdominal discomfort, nausea and diarrhea. Effects of chronic exposure not available.

HMIS Rating: Health – 1, Flammability – 1, Reactivity – 0

4. First Aid Measures.

Skin: Wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse. Get medical attention if skin irritation develops or persists.

Eyes: Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting eyelids. If pain or redness in eyes persists after flushing, obtain medical attention.

Inhalation: If irritation, headache, nausea or drowsiness from inhalation occur, immediately remove personnel from contaminated area to fresh air. Obtain medical attention if there are signs of breathing difficulties.

Ingestion: If conscious and can swallow, give 2 glasses or 16oz of milk or water, but never give anything by mouth to an unconscious or convulsing person. DO NOT induce vomiting. Seek medical aid if necessary.

Other: Soybean derived product. Avoid contact if sensitive to soy products.

5. Fire Fighting.

Extinguishing Media: Dry chemical, carbon dioxide or foam.

Special Hazards: None known

Decomposition: Burning or excessive heating may produce toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

Protective Equipment: Wear full protective clothing and positive pressure breathing apparatus.

6. Accidental Release Measures.

Personal Protection: Wear protective equipment during cleanup.

Environmental Precautions: Prevent material from entering waterways.

Spillage: Contain spill if possible, contain with absorbent materials such as clay or soil and shovel into proper disposal containers. Wear protective equipment during cleanup to minimize skin and eye contact. Remove spillage to approved landfill according to federal, state or local regulations..

7. Handling and Storage.

Handling: Handle product to prevent contamination from any source.

Storage: Store product to prevent contamination from any source. Keep containers closed. Avoid temperature extremes during storage.

8. Exposure Controls/Personal Protection.

Engineering Controls: General ventilation is recommended. Local ventilation may be required if material is sprayed or heated.

Personal Protection: Respiratory protection may be required if material is used in poorly ventilated areas or if material is sprayed or heated. Follow OSHA respiratory regulations found in 29 CFR 1910.134. Use an NIOSH approved respirator when necessary. Chemical goggles should be worn to prevent eye contact with spills, splashes or vapors. Chemical resistant gloves can be worn to prevent prolonged or repeated skin contact. Eye wash should be available. Take a shower after work if general contact occurs. Remove oil soaked clothing and launder before reuse.

9. Physical and Chemical Properties.

Boiling Point: N/A

Flash Point: N/A

Density: 1.05

pH: 6.5

Color: yellow to brown

Odor: Bland

10. Stability and Reactivity.

Stability: Stable under normal temperatures and pressures.

Conditions to avoid: Hydrolysis may occur in the presence of strong acids or bases.

Materials to avoid: Strong oxidizing agents.

11. Toxicological Information.

Oral: LD50 3.31 g/kg (rat) – Slightly toxic

Inhalation: Believed to be practically non-toxic

Revision Date – 11/6/2007

Dermal: LD50 >2.00 g/kg (rabbit) – Slightly toxic

This product may contain residual (<25 ppm) concentrations of ethylene oxide. Ethylene oxide has been shown to cause tumors in laboratory animals.

12. Ecological Information.

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. This is because the product use, transformations, mixtures, processes, etc.. may render the resulting materials hazardous.

13. Disposal Considerations.

This product, as supplied, when discarded or disposed of, will not be a hazardous waste according to U.S. federal regulations. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal and local regulations.

14. Transport Information.

U.S. DOT: Product ships as Non-Regulated

International Maritime Organization (IMO)/International Maritime Dangerous Goods Code (IMDG):

Not regulated by IMO or IMDG.

International Air Transport Association (IATA): Not regulated by IATA.

15. Regulatory Information.

United States

TSCA (Toxic Substance Control Act)

TSCA Status: All components are listed on the TSCA inventory.

16. Other Information.

The information in this data sheet does not constitute any contractual warrant as to product properties and is based on the current state of knowledge. For all chemical emergencies, call Chem Trek at 01 703 527-3887.