

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Whirlpool Corporation
2000 N. M-63
Benton Harbor, MI 49022
1-800-643-0961 (USA)
1-888-253-2668 (CANADA)
(For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)
Prepared by: Laboratory

PRODUCT NAME:	affresh® Dishwasher Cleaner
PRODUCT NUMBER:	W10282479; W10288149; W10288149B; W10335162A
CAS NUMBER:	NOT APPLICABLE, PRODUCT IS A MIXTURE
PRODUCT USE:	Automatic dishwasher cleaning tablet

SECTION 2 – HAZARDS IDENTIFICATION

Physical Hazard Classification:

None

Health Hazard Classification:

Acute toxicity: not classified
 Skin Irritation: Category 2
 Eye Irritation: Category 2

Labeling:

Symbol: Exclamation Mark

Signal word: Warning

Hazard Statement: Causes skin irritation. Causes eye irritation.

Precautionary Statement: Avoid touching tablet directly. Do not get on skin or in eyes. Wash hands thoroughly after handling.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION %
Citric acid	77-92-9	30 – 40
Sodium bisulfate	7681-38-1	30 – 40
Sodium carbonate	497-19-8	7 – 15
Sodium gluconate	527-07-1	1 – 5
Polyethylene glycol	25322-68-3	1 – 5
Sodium polyacrylate co-polymer	68479-09-4	1 – 5
Sodium benzoate	532-32-1	1 – 5
Sodium acetate	127-09-3	0.01 – 1.0

NOTE: This product is registered with the US EPA Design for the Environment Program so all components are listed here.

SECTION 4 – FIRST AID MEASURES

Routes of entry include: eye, skin, ingestion and inhalation.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If, eye irritation persists: Get medical attention.

Skin Contact: Wash with water for 15 minutes. If irritation occurs get medical attention. Take off contaminated clothing and wash it before reuse.

Ingestion: Drink large amounts of water. Do not induce vomiting. If patient feels unwell seek medical attention.

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.

Delayed Effects: None known.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media: Water spray, all-purpose dry chemical, CO₂

Hazardous Components of Combustion: Thermal decomposition may produce carbon monoxide, carbon dioxide, and oxides of sulfur.

Special Fire Fighting Procedures:

Self-Contained breathing apparatus and proper protective clothing should be worn when fighting chemical fires.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Depending on extent of release, consider the need for fire fighters/emergency responders with adequate personal protective equipment for cleaning up.

Do not eat, drink or smoke while cleaning up. Ensure to protect skin and eyes from accidental exposure during clean-up. Wear protective clothing, safety glasses and gloves. Use a dust mask if dust or fine particles are present. Ensure there is adequate ventilation. Avoid all sources of ignition, hot surfaces and open flames.

Environmental precautions: Prevent spills from entering storm sewers or drains and contact with soil.

Methods and materials for containment and cleaning up: Eliminate all ignition sources. For large spills, shovel up and transfer to a closable disposal container (i.e. plastic lined fiber drum) and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations. For small spills use a broom and sweep into an appropriate disposal container. All spill areas should be flushed with water and dried to ensure no residue is left behind.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes. Avoid prolonged repeated skin contact and breathing dust. Wash hands thoroughly after handling.

Conditions for safe storage, including incompatibilities: Store away from all ignition sources in a cool area equipped with an automatic sprinkling system. Ensure adequate ventilation. Store at controlled room temperature, 0 - 40 °C. Humidity of less than 40% is recommended to maintain product viability. Do not store near strong bases.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Overview: As with any chemical compositions care should always be used when handling to reduce the chance of dust formation or spillage. Avoid dust formation. Avoid touching the tablet directly. Good personal hygiene practices should always be followed. Wash hands thoroughly after handling this product.

Skin protection: If prolonged or repeated skin contact is likely, neoprene gloves should be worn. Good personal hygiene practices should always be followed. Wash hands thoroughly after handling this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	White tablet
Odor:	Light chemical and/or mild vinegar
Specific Gravity:	Not available
Vapor Pressure:	Not available
Vapor Pressure:	Not available
Evaporation Rate:	Not available
Boiling Point:	Not available
Freezing/Melt point:	Not available
pH :	2.0 – 3.9
Viscosity:	Not applicable
Solubility:	Soluble in water
LogK_{ow}:	Not available

SECTION 10 – STABILITY AND REACTIVITY

General Stability:	This product is stable under normal conditions. Keep away from direct sunlight.
Incompatible Materials:	Avoid contact with strong oxidizing materials. Avoid contact with strong acids and strong bases. Avoid contact with reactive metals (e.g. sodium, calcium, zinc etc.)
Hazardous Polymerization:	No
Hazardous Decomposition:	Thermal decomposition may produce carbon monoxide, carbon dioxide, and oxides of sulfur.

SECTION 11 – TOXICOLOGY INFORMATION

Acute Toxicity:

Test	Results	Basis
Oral LD50 (rat) mg/kg	Not Classified	Based on Ingredients
Dermal LD50 (rabbit) mg/kg	Not Classified	Based on Ingredients
Inhalation LD50 mg/L (dust)	Not Classified	Based on Ingredients
Skin Irritation	Irritant – Category 2	Based on Ingredients
Eye Irritation	Irritant – Category 2	Based on Ingredients

This product is determined to have an LD50 Oral, rat of >2,000mg/kg based on the individual ingredients amounts in the composition as a whole based on calculation outlined in *Consumer Chemicals and Containers Regulations, 2001* of the *Hazardous Products Act* Section 36 subsection 1.

Eye Contact: Avoid contact with the eyes. May cause eye irritation on direct contact.

Skin Contact: May cause skin irritation on prolonged or repeated direct contact.

Ingestion: May cause slight intestinal irritation if large quantities are swallowed.

Inhalation: May cause respiratory tract irritation if large amounts of dust are inhaled.

Chronic Toxicity:

None known. None of the ingredients are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

SECTION 12 – ECOLOGICAL INFORMATION

This product has been approved by the US EPA to carry the Safer Choice logo.

For more information go to www.epa.gov/saferchoice

This product does not contain chlorine bleach, phosphates, borates or EDTA.



SECTION 13 – DISPOSAL CONSIDERATIONS

No components in this product are classified as a hazardous waste.

Dispose of in accordance with local, state, provincial and national regulations. Do not dump into any body of water or onto the ground.

SECTION 14 – TRANSPORTATION

D.O.T. Shipping Information: Not regulated as a hazardous material for transportation under 49 CFR

D.O.T. Hazard Class: Non-hazardous

UN Classification: Not regulated

SECTION 15 – REGULATORY INFORMATION

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL).

SARA Title 302/304 Hazard Classification: None.
SARA Title 311/312 Hazard Classification: Not applicable.
SARA Title 313 extremely toxic substance: None.

CALIFORNIA Prop 65 None.

Canadian Classification system:
WHMIS Classification: D2B

SECTION 16 – ADDITIONAL INFORMATION

HMIS Ratings

Health – 1 Flammability – 0 Physical Hazards – 0 PPE – X

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NOTICE TO READER: The information contained in this Safety Data Sheet is provided to best knowledge of Whirlpool Corporation as accurate. No warranty, expressed or implied is made to the continuing accuracy or completeness of this information. It is the responsibility of the user to determine proper use or handling of the material and use the best safety precautions that may be necessary. Since conditions of use are not under our control we disclaim all liability with respect to the safe handling of this product.

END OF SDS