

affresh® Stainless Steel Cleaning Wipes

SDS Number: 770

Revision Date: 1/10/2017

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Whirlpool Corporation
2000 N. M-63
Benton Harbor, MI 49022

Contact: Whirlpool Corporation
Phone: 1-800-643-0961 (USA) // 1-888-253-2668 (CANADA)
Emergency Phone: 1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

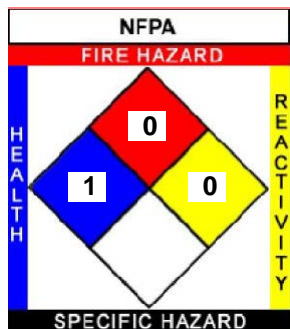
Product Name: affresh® Stainless Steel Cleaning Wipes
Revision Date: 1/10/2017
Version: 2.00
SDS Number: CAS 770
Number: Chemical MIXTURE
Family: Chemical Organic Solvents & Surfactants
Formula: Product *** PROPRIETARY ***
Use: Stainless Steel Appliance Cleaning Wipes. Cleansing Product.

Emergency Phone: 1-800-424-9300 (CHEMTREC, 24 Hrs., Inside the USA)
1-800-703-527-3887 (CHEMTREC, 24 Hrs., Outside the USA)

This Safety Data Sheet (SDS) is written in accordance with OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

2 HAZARDS IDENTIFICATION

NFPA: Health = 1, Fire = 0, Reactivity = 0
HMIS III: H*1/F0/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A	n	o	p
t	u	w	y
z	Additional information		

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Health, Skin corrosion/irritation, 2
Health, Skin sensitization, 1 A
Health, Serious Eye Damage/Eye Irritation, 1

GHS Phrases:

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage

GHS Precautionary Statements:

P264 - Wash skin thoroughly after handling.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 - IF ON SKIN: Wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplementary first aid instructions on this label).
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P404 - Store in a closed container.
P501 - Dispose of contents/container to an approved waste disposal plant.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	I	Percentage	I	Chemical Name
N/A	I	>89%	I	Proprietary, non-hazardous, non-regulated*
Proprietary	I	<10%	I	Quaternary Surfactant**
Proprietary	I	<1%	I	Fragrance**

*Balance of ingredients are non-hazardous, as defined by OSHA 29CFR1910.1200 or the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), or hazardous in less than 1% concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory/skin sensitizers).

**The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.

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4 FIRST AID MEASURES

- Inhalation:** Generally this product does not present an inhalation hazard. If symptoms develop, move victim to fresh air. Give oxygen or artificial respiration if needed. If symptoms persist, obtain medical attention.
- Skin Contact:** Extended contact with this product may cause skin irritation. If skin irritation and/or a rash occurs, flush skin with water for at least 15 minutes to ensure all chemical is removed. Consult a physician if irritation persists.
- Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. Get immediate medical attention. Continue rinsing eyes during transport to hospital.
- Ingestion:** This product is not likely to be ingested. If accidentally ingested, rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting unless instructed to do so. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed:

No data available.

5 FIRE FIGHTING MEASURES

- Flammability:** Non-flammable
- Flash Point:** DNA
- Flash Point Method:** DNA
- Burning Rate:** No data available
- Autoignition Temp:** No data available
- LEL:** DNA
- UEL:** DNA

Extinguishing Media:

Water Spray
Carbon Dioxide
Alcohol-Resistant Foam
Dry Chemical

Special Hazards Arising From the Substance or Mixture:

Aldehydes
Carbon Oxides
Hydrogen Chloride gas
Hydrogen Iodide gas
Ketones
Nitrogen Oxides (NOx)

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.
Use water spray to cool unopened containers.

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See Section 7 for more information on safe handling.
See Section 8 for more information on personal protection equipment.
See Section 13 for disposal information.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment as required.
Keep from contacting eyes.

Environmental Precautions:

No special measures required.

Methods and Materials for Containments and Cleaning Up:

Pick up sheets mechanically.
Collected waste should then be placed in container for disposal.
Dispose of contaminated material according to Section 13.

Reference to Other Sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on proper disposal.

7 HANDLING AND STORAGE

Handling Precautions:

Avoid breathing dusts.
Avoid contact with eyes, and extended contact with skin.
Keep containers closed when not in use.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Do not puncture containers.
Keep material out of reach of children.
Keep material away from incompatible materials.

Storage Requirements:

Keep container tightly closed.
Do not store at temperatures greater than 50.00 °C (122.00 °F)
Do not store in direct sunlight.
Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip:

Eye/face protection:
Eye protection is not required if proper chemical handling and hygiene practices are followed. If desired, when using material use safety glasses according to HMIS PP, A. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

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Skin protection:

Not required if proper chemical handling and hygiene practices are followed. If desired, use gloves made from Neoprene, Nitrile or Buna rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:

Not required. Chemically resistant safety glasses and gloves may be used, if desired. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:

Not required. Full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds. Respiratory protection must comply with 29 CFR 1910.134.

Control of environmental exposure:

Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Component(s): Fragrance
CAS No(s): N/A
USA ACGIH (TWA/TLV): 10 ppm

Biological occupational exposure limits:

Contains no reportable substances with biological occupational exposure limits values.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	White, Liquid-Soaked Sheets	Odor:	Apple-Pear
Physical State:	Solid Wipes, Liquid-Soaked	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	Soluble Liquid, Insoluble Sheets
Particle Size:	Not determined	Softening Point:	Not determined
Spec Grav./Density:	Not determined	Percent Volatile:	1.89% (Liquid)
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	Not determined	Freezing/Melting Pt.:	< 0.0 °C (32.0 °F) (Liquid)
Boiling Point:	> 100.0 °C (212.0 °F) (Liquid)	Flash Point:	DNA
Flammability:	(solid, gas): Non-flammable	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	(air = 1): Not determined
Vapor Pressure:	(mm Hg @ 20 °C): Not determined	VOC:	< 20 g/l (Liquid)
pH:	@ 100%: 6.0 - 7.0	Bulk Density:	Not determined
Evap. Rate:	(N-Butyl Acetate = 1): Not determined	Auto-Ignition Temp:	Not determined
Molecular weight:	MIXTURE	UFL/LFL:	Not determined
Decomp Temp:	Not determined		

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10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Conditions to Avoid: Incompatibilities, flames, ignition sources.
Materials to Avoid: Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
Hazardous Decomposition: Aldehydes, Carbon Oxides, Hydrogen Chloride gas, Hydrogen Iodide gas, Ketones and Nitrogen Oxides (NOx).
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): Quaternary Surfactant; Fragrance
CAS No(s): Proprietary; Proprietary

Acute Toxicity:
LD50 Oral - Rat: 2,490 mg/kg
LD50 Dermal - Rabbit: > 5,000 mg/kg

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Eye Irritation: Causes serious eye damage.

Respiratory or Skin Sensitation: Prolonged or repeated exposure may cause an allergic skin reaction in certain, sensitive individuals.

Germ Cell Mutagenicity: No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity - Single Exposure: No data available.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information:

Component: Quaternary Surfactant; RTECS: N/A
Component: Fragrance; RTECS: N/A

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12 ECOLOGICAL INFORMATION

Component(s): Quaternary Surfactant; Fragrance

CAS No(s): Proprietary; Proprietary

Toxicity:

Toxicity to fish:

No data available.

Toxicity to daphnia and other aquatic invertebrates:

No data available.

Toxicity to algae:

No data available.

Persistence and Degradability:

Readily biodegradable.

Bioaccumulative potential:

No expected to bioaccumulate.

Mobility in Soil:

No data available.

Results of PBT and vPvB assessment:

Not required/conducted.

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13 DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

DOT (US)

Non-regulated material

IMDG

Non-regulated material

IATA

Non-regulated material

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15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Quaternary Surfactant (Proprietary <10%) TSCA

*Fragrance (Proprietary <1%) MASS, NJHS, PA, SARA311/312, SARA313, TSCA

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
NJHS = New Jersey Right to Know Hazardous Substances
PA = PA Right-To-Know List of Hazardous Substances
SARA311/312 = SARA 311/312 Toxic Chemicals
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Whirlpool Corporation believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Whirlpool Corporation's control, Whirlpool Corporation makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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