

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3 Revision Date: 2016/07/28 SDS Number: 000000003000007014 Date of last issue: 2016/03/15
 Date of first issue: 2014/12/16

SECTION 1. IDENTIFICATION

Product name : AFFRESH® Washer Cleaner
 Product code : W10135699, W10549845, W10549846, W10501250, W10921682

Manufacturer or supplier's details

Company : Whirlpool Corporation
 2000 N. M-63
 Benton Harbor, MI 49022
 1-800-643-0961 (USA)
 1-888-253-2668 (CANADA)
 Prepared by: Laboratory

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300, CHEMTREC WORLD: 1-703-527-3887.

Recommended use of the chemical and restrictions on use

Recommended use : Cleansing agents, alkaline.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation : Category 2
 Eye irritation : Category 2A
 Reproductive toxicity : Category 1B

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H360 May damage fertility or the unborn child.

Precautionary statements : **Prevention:**
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3 Revision Date: 2016/07/28 SDS Number: 000000003000007014 Date of last issue: 2016/03/15
 Date of first issue: 2014/12/16

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P313 IF exposed or concerned: Get medical advice/attention.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Preparation

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Sodium Carbonate Peroxyhydrate	15630-89-4	>= 50 - < 70
Boric Acid	10043-35-3	>= 20 - < 30
Sodium Carbonate	497-19-8	>= 20 - < 30
Tetrasodium EDTA	64-02-8	>= 1 - < 5
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-	25322-69-4	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice.
 If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
 If on skin, rinse well with water.
 If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
 Remove contact lenses.
 Protect unharmed eye.

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3	Revision Date: 2016/07/28	SDS Number: 000000003000007014	Date of last issue: 2016/03/15 Date of first issue: 2014/12/16
----------------	------------------------------	-----------------------------------	---

	Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: Causes skin irritation. Causes serious eye irritation. May damage fertility or the unborn child.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray jet
Further information	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Neutralise with acid. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	: Avoid formation of respirable particles. Do not breathe vapours/dust.

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3 Revision Date: 2016/07/28 SDS Number: 000000003000007014 Date of last issue: 2016/03/15
 Date of first issue: 2014/12/16

Avoid contact with skin and eyes.
 For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
 Observe label precautions.
 Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-	25322-69-4	TWA (aerosol)	10 mg/m3	US WEEL

Hazardous components without workplace control parameters

Components	CAS-No.
Sodium Carbonate Peroxyhydrate	15630-89-4
Boric Acid	10043-35-3
Sodium Carbonate	497-19-8
Tetrasodium EDTA	64-02-8

Personal protective equipment

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
 Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Dust impervious protective suit
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
 When using do not smoke.
 Wash hands before breaks and at the end of workday.

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3 Revision Date: 2016/07/28 SDS Number: 000000003000007014 Date of last issue: 2016/03/15
Date of first issue: 2014/12/16

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : tablet, powder

Colour : white

pH : 10.5 - 10.7

Bulk density : 1,600 kg/m³

Solubility(ies)
Water solubility : 140 g/l (24 °C)

Oxidizing properties : The product has been shown not to be oxidising in a test following Directive 67/548/EEC (Method A17, oxidising properties).

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.
Dust may form explosive mixture in air.

Conditions to avoid : no data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : LD50 (rat): > 2,000 mg/kg
Method: OECD Test Guideline 420
GLP: yes
Assessment: The substance or mixture has no acute oral toxicity
Remarks: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : Acute toxicity estimate: 3,257 mg/kg
Method: Calculation method

Components:

Sodium Carbonate Peroxyhydrate:

Acute oral toxicity : LD50 (rat): 1,034 mg/kg

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3 Revision Date: 2016/07/28 SDS Number: 000000003000007014 Date of last issue: 2016/03/15
Date of first issue: 2014/12/16

Acute dermal toxicity : LD50 (rabbit): > 2,000 mg/kg

Sodium Carbonate:

Acute oral toxicity : LD50 (rat): > 2,000 mg/kg

Acute inhalation toxicity : LC50 (rat): 5,750 mg/l
Exposure time: 2 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (rabbit): 2,000 mg/kg

Tetrasodium EDTA:

Acute oral toxicity : LD50 (rat, male): 3,030 mg/kg

Acute dermal toxicity : LD50 (rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Species: rabbit
Assessment: Irritating to skin.
Result: Mild skin irritation

Remarks: May cause skin irritation in susceptible persons.

Components:

Sodium Carbonate Peroxyhydrate:

Species: rabbit
Assessment: Mild skin irritation
Result: Mild skin irritation

Sodium Carbonate:

Species: rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Species: rabbit
Result: Mild eye irritation
Assessment: Irritating to eyes.

Remarks: May cause irreversible eye damage.

Components:

Sodium Carbonate Peroxyhydrate:

Species: rabbit
Result: Irreversible effects on the eye
Assessment: Risk of serious damage to eyes.

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3 Revision Date: 2016/07/28 SDS Number: 000000003000007014 Date of last issue: 2016/03/15
Date of first issue: 2014/12/16

Sodium Carbonate:

Assessment: Irritating to eyes.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

May damage fertility or the unborn child.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to bacteria : (Bacteria): 200 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Method: OECD Test Guideline 209

SAFETY DATA SHEET
AFFRESH® Washer Cleaner

Version 1.3 Revision Date: 2016/07/28 SDS Number: 000000003000007014 Date of last issue: 2016/03/15
 Date of first issue: 2014/12/16

Components:

Sodium Carbonate Peroxyhydrate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 70.7 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC0 (Daphnia magna (Water flea)): 2 mg/l
 Exposure time: 48 h

EC50 (Daphnia magna (Water flea)): 4.9 mg/l
 Exposure time: 48 h

Sodium Carbonate:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l
 Exposure time: 96 h

LC50 (Gambusia affinis (Mosquito fish)): 740 mg/l
 Exposure time: 96 h

Tetrasodium EDTA:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Persistence and degradability

No data available

Bioaccumulative potential

Components:

Sodium Carbonate Peroxyhydrate:

Bioaccumulation : Remarks: Does not bioaccumulate.

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82
 Protection of Stratospheric Ozone - CAA Section 602 Class I
 Substances
 Remarks: This product neither contains, nor was
 manufactured with a Class I or Class II ODS as defined by the
 U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +
 B).

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.



SAFETY DATA SHEET

AFFRESH® Washer Cleaner

Version	Revision Date:	SDS Number:	Date of last issue: 2016/03/15
1.3	2016/07/28	000000003000007014	Date of first issue: 2014/12/16

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Poly[oxy(methyl-1,2-ethanediyl)], a-hydro-w-hydroxy-	25322-69-4	1 %
--	------------	-----

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

Revision Date : 2016/07/28

Please Note: As each customer's use of our product may be different, information we provide, including without limitation, any regulatory information, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc.

US / EN