

Version Revision Date:
1.1 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

SECTION 1. IDENTIFICATION

Product name : AFFRESH® Washer Cleaner

Product code : W10135699, W10549845, W10549846, W10501250

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)
(For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)
Prepared by: Laboratory

Recommended use of the chemical and restrictions on use

Recommended use : Cleansing agents, alkaline.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Oxidizing solids : Category 2

Skin irritation : Category 2

Eye irritation : Category 2A

Reproductive toxicity : Category 1B

GHS Label element

Hazard pictograms : 

Signal word : Danger

Hazard statements : H272 May intensify fire; oxidiser.
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.
P210 Keep away from heat.

Version 1.1
Revision Date: 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

P220 Keep/Store away from clothing/ combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

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.

Version 1.1
Revision Date:
2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

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- If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
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.
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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Further information : For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.
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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.
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).
Keep in suitable, closed containers for disposal.
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SECTION 7. HANDLING AND STORAGE

Version 1.1
Revision Date: 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

- Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from combustible material.
- Advice on safe handling : Avoid formation of respirable particles.
Do not breathe vapours/dust.
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.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
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 (aero-sol)	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.

Version 1.1
Revision Date: 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : tablet
Colour : white
pH : 10.5 - 10.7
Bulk density : 1,600 kg/m³
Solubility(ies)
Water solubility : 140 g/l (24 °C)

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.
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: > 5,000 mg/kg
Method: Calculation method

Components:

Sodium Carbonate Peroxyhydrate:

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

Version 1.1
Revision Date: 2015/05/13

Date of last issue: 2014/12/16
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.

Sodium Carbonate:

Version 1.1
Revision Date: 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

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

Components:

Sodium Carbonate Peroxyhydrate:

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

SAFETY DATA SHEET

AFFRESH® Washer Cleaner



Version 1.1
Revision Date: 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

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.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

Version Revision Date:
1.1 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

SECTION 14. TRANSPORT INFORMATION**International Regulation****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the
reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical com-
ponents with known CAS numbers that exceed the threshold
(De Minimis) reporting levels established by SARA Title III,
Section 313.

Clean Air Act

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).

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-hydroxy-	25322-69-4	1 %
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Clean Water Act

SAFETY DATA SHEET

AFFRESH® Washer Cleaner



Version 1.1
Revision Date: 2015/05/13

Date of last issue: 2014/12/16
Date of first issue: 2014/12/16

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 : 2015/05/13

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.

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