

## **SAFETY DATA SHEET**

### **(SDS)**

- **NABC - washroom Product**
- **QUAT 360 – Disinfectant product**
- **AIRLIFT FRESH – Air Freshener**
- **DURAWASH FLOOR – Floor Product**

# **NABC<sup>®</sup>**

## **Non-Acid Disinfectant Cleaner**

### **PRODUCT DESCRIPTION:**

NABC is a ready-to-use, non-acid disinfectant bathroom cleaner. The product is brilliant blue in color and exhibits an eye-appealing foaming characteristic.

Developed in response to requests for an easy-to-use, general-purpose disinfectant for daily use in maintenance programs and for those who prefer a product without acid, NABC offers these benefits:

### **VERSATILE AND EFFECTIVE DISINFECTANT/CLEANER/DEODORIZER:**

The NABC formula contains 4 powerful quaternaries, detergents, and a solvent. A proven one-step cleaner disinfectant, NABC is an excellent disinfectant cleaner for use on all hard, nonporous surfaces. EPA Reg. No. 5741-18. EPA Est. No. 5741-OH-1. More versatile than most acid-base products, NABC is strong enough to kill bacteria on the inside of toilet bowls and urinals, yet mild enough to use on a daily basis on most other bathroom surfaces, such as the outside of commodes, on ceramic tile, partitions, counters, door knobs, and walls.

NABC is effective against Antibiotic-Resistant Bacteria...eliminating Methicillin resistant Staphylococcus aureus (MRSA) and Vancomycin resistant Enterococcus faecalis (VRE). The product is Staphylocidal, Pseudomonocidal and Salmonellacidal, while eliminating dangerous germs commonly found in restrooms. Virucidal, NABC destroys the pathogenic viruses HIV-1 (AIDS Virus), Herpes simplex Type 2 and Influenza A2/Hong Kong on hard inanimate nonporous surfaces.

### **SAFE:**

NABC contains no acids, caustic chemicals, or abrasives and will not etch porcelain or pit restroom fixtures. NABC will not adversely affect plastic (PVC), metal, or lead pipe plumbing.

NABC has a neutral pH. Accidental spills on carpeting, wallboard splashes, or clothing are easily wiped or rinsed away.

Easier to use than acid-type products, NABC does not produce dangerous fumes when used according to directions.

**PLEASANT TO USE:**

NABC's twin-chain quaternary system effectively attacks and suffocates odors at their source. In addition to its odor removing components, NABC's formula incorporates a light floral fragrance. Users will appreciate the pleasant deodorizing characteristic of NABC during the cleaning procedure and the fresh signature fragrance that lingers.

**PACKAGED FOR CONVENIENCE AND ECONOMY:**

Ready-to-use, NABC requires no mixing. Each quart of NABC is equipped with a flip-top directional dispensing cap to clean hard-to-reach areas. A trigger sprayer fits the NABC quart for quick and easy application.

NABC meets the former "C2" profile for "Compounds for use only in toilets and/or dressing rooms".

NABC was tested against *Staphylococcus aureus*, *Salmonella choleraesuis*, and *Pseudomonas aeruginosa* in accordance with the use-dilution procedures as outlined in the manual of the AOAC, modified per EPA's DIS/TTS-2 for organic soil load. Results of this testing show NABC to be an excellent bactericide even in the presence of 5% blood serum.

Staphylococcus aureus ATCC #6538		Salmonella choleraesuis ATCC #10708		Pseudomonas aeruginosa ATCC #15442	
NABC	No. Tubes Tested	No. Tubes	No. Tubes Showing Growth	NABC	No. Tubes Showing Growth
Sample A	60	0	0	Sample A	0
Sample B	60	0	0	Sample B	0
Sample C	60	0	0	Sample C	0

**Effective Against Antibiotic-Resistant Bacteria:**

NABC has been tested and shown effective against Methicillin resistant *Staphylococcus aureus* (MRSA) and Vancomycin resistant *Enterococcus faecalis* (VRE).

Test Method: AOAC Use-Dilution Test Method Modified per EPA's DIS/TSS-2 for organic soil.

Methicillin resistant Staphylococcus aureus (MRSA) ATCC #33592		Vancomycin resistant Enterococcus faecalis (VRE) ATCC #51299	
NABC	No. Tubes Tested	No. Tubes Showing Growth	No. Tubes Showing Growth
Sample A	10	0	0
Sample B	10	0	0



**DIRECTIONS FOR USE:**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**One-Step Disinfecting and Cleaning Toilet Bowls and Urinals:**

1. With swab mop applicator, remove water from bowl by forcing over trap.
2. Press swab mop against side of bowl to remove excessive water from applicator.
3. Apply 1-2 oz. of NABC evenly onto surface to be cleaned and disinfected.
4. Swab entire surface area especially under the rim where outlets are located.
5. Allow NABC to remain wet on surface at least 10 minutes.
6. Flush toilet and rinse applicator thoroughly. Preliminary cleaning is required for heavily-soiled surfaces.

**One-Step Disinfecting Ceramic Tile, Porcelain, Shower Walls, Floors and Other Hard Nonporous Surfaces:**

1. To disinfect hard, non-porous surfaces, use full strength.
2. Apply NABC with a cloth, sponge, sprayer or mop. Treated surfaces must remain wet for 10 minutes.
3. Rinse thoroughly. Preliminary cleaning is required for heavily-soiled surfaces.

**General Deodorizing and Cleaning:**

Dilute NABC 1:10 (12 oz./gal. of water) for general deodorizing and cleaning of hard, nonporous bathroom surfaces.

**\*\*KILLS HIV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS**

**PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS).

**Special Instructions for Cleaning and Decontamination Against HIV-1 on Surfaces or Objects Soiled with Blood or Body Fluids:**

**Personal Protection:** Exposure to blood or body fluids should be avoided by use of barrier protection such as latex or other impervious gloves. Face shields and impervious gowns should also be worn if splashing of blood or body fluids may occur.

**Cleaning Procedure:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of the disinfectant.

**Contact Time:** Leave surfaces wet for 8 minutes. This contact time will not control other common types of viruses and bacteria.

**Disposal of Infectious Material:** Contaminated cleaning materials, blood and other body fluids should be autoclaved and/or disposed of according to local regulations for infectious waste disposal.

**SPECIFICATION DATA:****Active Ingredients:**

Alkyl (C <sub>14</sub> - 50%, C <sub>12</sub> - 40%, C <sub>16</sub> - 10%) dimethyl benzyl ammonium chloride.....	0.16%
Octyl decyl dimethyl ammonium chloride.....	0.12%
Diocetyl dimethyl ammonium chloride.....	0.06%
Didecyl dimethyl ammonium chloride.....	0.06%
<b>Inert Ingredients:</b> .....	<b>99.60%</b>



Specific Gravity – 1.00 @ 24°C/75°F

pH – 6.0-7.0

Density – 8.32 lbs./gal. @ 24°C/75°F

Color – Clear blue

Stability –

- a. Shelf @ 24°C/75°F – In excess of one year
- b. Accelerated @ 49°C/120°F – Minimum 60 days
- c. Freeze/Thaw Cycle – Freezes and thaws with complete clarity

Biodegradable detergent

Phosphate free

**PACKAGING:**

NABC is packaged in 330-gallon reusable totes; recyclable HDPE (High Density Polyethylene) 55, 30 and 15-gallon drums; 5-gallon pails; gallons, four per case; and quarts, 12 per case. Each quart is equipped with a flip-top dispensing closure. Label copy is available in English and Spanish.

**Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting [www.spartanchemical.com](http://www.spartanchemical.com).**

**GUARANTEE:**

Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture.

**SAFETY DATA SHEET**

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MR. JANITORIAL SUPPLIES  
1125 KERRISDALE BLVD.  
NEWMARKET, ON, L3Y 8W1  
CANADA  
905-836-4250

**PRODUCT: QUAT 360 DISINFECTANT CLEANER****SECTION 01: IDENTIFICATION**

Supplier identifier..... Mr. Janitorial Supplies  
1125 Kerrisdale Blvd.  
Newmarket, ON L3Y 8W1  
CA  
905-836-4250  
Product identifier..... QUAT 360 DISINFECTANT CLEANER  
Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).  
Product use..... Cleaner disinfectant deodorizer.

**SECTION 02: HAZARD IDENTIFICATION**

Hazard classification..... Eye Irritation — Category 2A.  
Signal word..... WARNING.  
Hazard statement..... H319 Causes serious eye irritation.  
Precautionary statements..... P264 Wash thoroughly after handling. P280 Wear protective gloves/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.  
Other hazards..... None.

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
Nonylphenol ethoxylate	127087-87-0	5-6
Isopropyl alcohol	67-63-0	1-1.3
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.2-0.25
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.2-0.25

**SECTION 04: FIRST-AID MEASURES**

Routes of exposure  
Inhalation..... Remove to fresh air. If irritation persists, consult a physician.  
Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary. Never give anything by mouth to an unconscious person.  
Skin contact..... Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, get medical aid.  
Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.  
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 in section 11.

**SECTION 05: FIRE-FIGHTING MEASURES**

Extinguishing media..... Foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical.  
Hazardous combustion products..... Carbon oxides. Chlorine, Hydrogen chloride gas. Nitrogen oxides (NO<sub>x</sub>). Harmful vapours. The substances/groups of substances mentioned can be released in case of fire.  
Special protective equipment and precautions..... Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.  
Sensitivity to static discharge..... Product is not sensitive to static discharge.  
Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.  
Further information..... Not applicable.



**PRODUCT: QUAT 360 DISINFECTANT CLEANER****SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment  
and emergency procedures  
Environmental precautions.....

Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required.  
Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

Methods and materials for containment and  
cleaning up

Ensure adequate ventilation. Cover spill area with suitable absorbent material (e.g., sand, earth, sawdust, vermiculite, Oil-Dri, Kitty Litter, etc.). Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly. Contaminated absorbent material may pose the same hazards as the spilled product.

**SECTION 07: HANDLING AND STORAGE**

Handling precautions.....

Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed.

Storage needs.....

Keep in a dry, cool and well-ventilated place.

Materials to avoid.....

Keep away from oxidizing agents. Do not mix with other chemicals or cleaners.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Nonylphenol ethoxylate	not available	not available	not available	not available	not available
Isopropyl alcohol	200 ppm	400 ppm	400 ppm	500 ppm	no data available
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	no data available	no data available	no data available	no data available	no data available
Alkyl dimethyl benzyl ammonium chloride (C12-18)	no data available	no data available	no data available	no data available	no data available

Engineering controls.....

Good general ventilation (typically 10 air changes per hour) should be used.

Individual protection measures

Eye/type.....

Safety glasses with side-shields.

Gloves/ type.....

Wear chemical resistant protective gloves.

Respiratory/type.....

Generally not required. Wear respiratory protection if ventilation is inadequate.

Hygiene measures.....

Handle in accordance with good industrial hygiene and safety practice. Wear clean long legged, long sleeved work clothes.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance.....	liquid.
Color.....	red.
Odour.....	pleasant.
Odour threshold.....	no data available.
pH.....	7-8.
Melting point (°C).....	not applicable.
Freezing point (°C).....	0.
Initial boiling point (°C).....	100.
Flash point (°C), Method.....	>94 CC.
Evaporation rate.....	no data available.
Upper flammability limit (% vol).....	no data available.
Lower flammability limit (% vol).....	no data available.
Vapour pressure (mm Hg).....	17.5.
Vapour density (air=1).....	> 1.
Relative density/Specific Gravity.....	1.06.
Water solubility.....	soluble.
Solubility in other solvents.....	no data available.
Partition coefficient — n-octanol/water.....	no data available.
Auto ignition temperature (°C).....	> 200 °C.
Thermal decomposition temperature.....	no data available.
Viscosity.....	thin liquid.



**PRODUCT: QUAT 360 DISINFECTANT CLEANER****SECTION 10: STABILITY AND REACTIVITY**

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to avoid.....	Do not mix with other chemicals. Keep away from incompatibles such as oxidizing agents.
Incompatible materials.....	Acids, strong oxidizing agents, anionic surfactants. Strong oxidizing agents.
Hazardous decomposition products.....	Toxic gases/fumes may be given off during burning or thermal decomposition.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Nonylphenol ethoxylate	not available	1310 mg/kg (oral-rat); 2,000 mg/kg (dermal-rabbit)
Isopropyl alcohol	41.7 mg/l (Inhl. rat, 4h)	4,720 mg/kg (oral, rat); 12,890 mg/kg (dermal, rabbit)
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	0.054-0.51 mg/l mist (Inhalation-rat, 4h)	275 mg/kg (oral, rat); >2,000 mg/kg (dermal, rabbit)
Alkyl dimethyl benzyl ammonium chloride (C12-18)	0.054-0.51 mg/l mist (Inhalation-rat, 4h)	>2,000 mg/kg (oral, rat); 275 mg/kg (dermal-rabbit)
Routes of exposure		
Inhalation.....	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.	
Ingestion.....	May cause irritation of the stomach.	
Skin contact.....	Contact may cause irritation.	
Eye contact.....	Contact may cause irritation.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.	
Acute inhalation toxicity.....	Acute toxicity estimate : > 5 mg/l. Test atmosphere: dust/mist. Method: calculation method. Virtually nontoxic by inhalation.	
Skin corrosion/irritation.....	Non-irritant.	
Serious eye damage/eye irritation.....	Result: Serious eye irritation.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) single exposure.....	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) repeated exposure.....	No known significant effects or critical hazards.	
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.	

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	May cause long-term adverse effects in the aquatic environment.
Persistence and degradability.....	The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No applicable information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Disposal methods	
Waste disposal of substance.....	Dispose of in accordance with national, state and local regulations.
Container disposal.....	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**PRODUCT: QUAT 360 DISINFECTANT CLEANER****SECTION 14: TRANSPORT INFORMATION**

TDG classification..... Not classified as a dangerous good under transport regulations.

**SECTION 15: REGULATORY INFORMATION**

WHMIS regulatory status..... This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.

**SECTION 16: OTHER INFORMATION**

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

Prepared by: ..... CanChem Consultant

Preparation date..... JAN 26/2017



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 22-Sep-2016

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:**

**AIRLIFT FRESH SCENT(BULK CONCENTRATE)**

**Product Number:**

3022

**Recommended Use:**

Air freshener

**Uses Advised Against:**

For Industrial and Institutional Use Only

**Manufacturer/Supplier:**

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:**

888-314-6171

**Transportation/Spill/Leak:**

CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Serious Eye Damage/Eye Irritation:

Category 1

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

Causes serious eye damage

**Precautionary Statements:**

**Prevention:**

Wear eye / face protection

**Response:**

**-Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

**-Specific Treatment:**

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Storage:**

Not Applicable

**Disposal:**

Not Applicable

**Hazards Not Otherwise Classified:**

Not Applicable

**Other Information:**

- May be harmful if swallowed.
- Causes mild skin irritation.
- Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS



Chemical Name	CAS No	Weight-%
water	7732-18-5	60-100
alcohol ethoxylate	68439-46-3	1-5
isopropanol	67-63-0	1-5
fragrance	PROPRIETARY	1-5
alkyl dimethyl benzyl ammonium chloride	68424-85-1	0.1-1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
- Skin Contact:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

#### 7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
isopropanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

**Engineering Controls:**

Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment****Eye/Face Protection:**

Wear splash goggles.

**Skin and Body Protection:**

Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:**

Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:**

Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Blue
<b>Odor:</b>	Pleasant
<b>pH:</b>	6.0-8.0
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F
<b>Evaporation Rate:</b>	< 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.00
<b>Solubility(ies):</b>	No information available.
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

<b>10. STABILITY AND REACTIVITY</b>
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**Reactivity:**

This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:**

Stable under normal conditions.

**Possibility of Hazardous Reactions:**

Not expected to occur with normal handling and storage.

**Conditions to Avoid:**

Extremes of temperature and direct sunlight.

**Incompatible Materials:**

Strong oxidizing agents. Strong acids.

**Hazardous Decomposition**May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.**Products:**

<b>11. TOXICOLOGICAL INFORMATION</b>
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**Likely Routes of Exposure:**

Eyes, Skin, Ingestion, Inhalation.

**Symptoms of Exposure:****-Eye Contact:**

Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.

**-Skin Contact:**

Drying of the skin.

**-Inhalation:**

Nasal discomfort and coughing.

**-Ingestion:**

Pain, nausea, vomiting and diarrhea.

**Immediate, Delayed, Chronic Effects****Product Information:**

Data not available or insufficient for classification.

**Target Organ Effects:**

-Eyes. Respiratory System. -Skin.



**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 7673 mg/kg  
 ATEmix (dermal): 17737 mg/kg  
 ATEmix (inhalation-dust/mist): 49.4 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
alcohol ethoxylate 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	Not Available
isopropanol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit )	= 72.6 mg/L ( Rat ) 4 h
alkyl dimethyl benzyl ammonium chloride 68424-85-1	= 426 mg/kg ( Rat )	Not Available	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
isopropanol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50	Not Available	13299: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:**

No information available.

**Bioaccumulation:**

No information available.

**Other Adverse Effects:**

No information available.

**13. DISPOSAL CONSIDERATIONS****Disposal of Wastes:**

Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:**

Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION****DOT:****Proper Shipping Name:****Special Provisions:**

Not Regulated

Non Hazardous Products

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:****Proper Shipping Name:**

Not Regulated

Non Hazardous Products

**15. REGULATORY INFORMATION****TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product contains the following listed substances:



**isopropanol**

CAS No 67-63-0 only if manufactured by the strong acid process, no supplier notification

**SARA 311/312 Hazard Categories**

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**16. OTHER INFORMATION****NFPA**

Health Hazards: 2

Flammability: 0

Instability: 0

Special: N/A

**HMIS**

Health Hazards: 2

Flammability: 0

Physical Hazards: 0

Revision Date:

22-Sep-2016

Reasons for Revision:

SDS sections updated 2 and 3

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

# SAFETY DATA SHEET

Conforms to 1910.1200

Issued: April 27, 2015

Supersedes: Oct. 30, 2014

## DURAWASH FLOOR CLEANER

### 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Durawash Floor Cleaner

**Product Number:** 367

**Recommended Use:** Water-based all purpose cleaner  
Concentrate. Dilute prior to use.  
Product intended for commercial and industrial use only.  
**Uses Advised Against:** Other than per labelled instructions

**Supplier Details:**

United Services Group  
46 Hedgedale Road  
Brampton, ON  
L6T 5L2 Canada  
Telephone: 1-877-289-4299  
Email: info@icsl.com  
Internet: www.ucsl.com

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident.  
Call CANUTEC Day or Night. 1-613-996-6666

### 2: HAZARDS IDENTIFICATION

**Classification:** Not classified as hazardous; as determined by OSHA 1910.1200.  
**Signal Word:** None  
**Pictogram:** None  
**Hazard Statements:** None  
**Precautionary Statements:** None  
**Other Hazards:** None  
**Supplemental Information:** None

### 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain hazardous ingredients; as determined by OSHA 1910.1200.

### 4: FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

**Eye Contact:** Rinse with plenty of water. If irritation develops, seek medical attention.  
**Skin Contact:** Wash with soap and plenty of water. If irritation develops, seek medical attention.  
**Inhalation:** If breathing is difficult, remove to fresh air. If symptoms persist, seek medical attention.  
**Ingestion:** If ingested, do not induce vomiting. Seek medical attention.

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Eye Contact:** None expected under normal use.  
**Skin Contact:** None expected under normal use.  
**Inhalation:** None expected under normal use.  
**Ingestion:** None expected under normal use.

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No additional information available

### 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing media:** Dry Chemical, water spray, foam, carbon dioxide  
**Specific Hazards:** Materials can splatter above 212 °F / 100 °C  
**Protective Equipment and Precautions:** No special fire fighting procedures recommended. Follow all general fire safety guidelines.

### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.  
**Environment Precautions:** Keep spills and cleaning run-off out of sewers and open bodies of water.

# SAFETY DATA SHEET

Conforms to 1910.1200

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## DURAWASH FLOOR CLEANER

### CONTAINMENT AND CLEAN-UP

- Small Spills:** Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.
- Large Spills:** Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.
- Waste Disposal:** Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

### 7: HANDLING AND STORAGE

- Precautions for Safe Handling:** Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.
- Conditions for Safe Storage:** Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F).
- Other Information:** Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Limits:** None
- Engineering Controls:** Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

#### Personal Protective Equipment (PPE)

- Eye/Face Protection:** Safety eyewear is recommended, to avoid chemical splashes and mists.
- Skin Protection:** Chemical resistant gloves are recommended.
- Respiratory Protection:** Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

### 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** yellow, viscous liquid
- Odor:** slight lemon
- Odor Threshold:** N/E
- pH:** 9.0
- Freezing Point:** N/E
- Boiling Point:** N/E
- Flash Point:** > 200 °F / > 93 °C
- Evaporation Rate:** less than water
- Flammability:** non-combustible
- Flammability limits:** N/E
- Vapor Pressure:** N/E
- Vapor Density:** N/E
- Relative Density:** 8.4 lb/gal @ 68°F / 1.01 kg/l @ 20 °C
- Solubility:** miscible in water
- Partition Coefficient:** N/E
- Auto Ignition temperature:** N/E
- Decomposition Temperature:** N/E
- Viscosity:** < 100 centipoise @ 68 °F (20 °C)
- VOC:** 0%

### 10: STABILITY AND REACTIVITY

- Reactivity:** Not reactive under normal conditions.
- Stability:** Stable under normal conditions
- Hazardous reactions:** None known
- Conditions to avoid:** None known
- Incompatible materials:** Strong acids and bases
- Hazardous decomposition products:** None known



# SAFETY DATA SHEET

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## DURAWASH FLOOR CLEANER

### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not determined on product.

#### LOCAL EFFECTS

**Skin contact:** May cause mild irritation

**Eye contact:** May cause mild irritation

**Sensitization:** None Expected

**Chronic effects:** None Expected

#### SPECIFIC EFFECTS

**Carcinogenicity:** None Known

**Reproductive effects:** None Known

**Teratogenicity:** None Known

**Mutagenicity:** None Known

### 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Ecological testing has not been completed on the mixture.

**Persistence and Degradability:** Data not available.

**Bioaccumulative Potential:** Data not available.

**Mobility in Soil:** Data not available.

**Other Adverse Effects:** Data not available.

### 13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

### 14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

**UN Number:** None

**UN Proper Shipping Name:** None

**Hazard Class:** None

**Packing Group:** None

**Marine Pollutant:** None

**Transport in Bulk:** N/A

**Other Information:** None

### 15: REGULATORY INFORMATION

**U.S. REGULATIONS/REPORTING:** Components are not subject to US Reporting (SARA 302/304, 313, CERCLA)

**STATE RIGHT-TO-KNOW STATUS:** Components are not subject to State RTK listing (MA, NJ, PA, RI)

**CALIFORNIA PROPOSITION 65:** Components are not present on CA Prop 65 listing.

### 16: OTHER INFORMATION

#### Abbreviations Used:

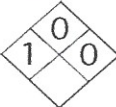
N/A - Not applicable

N/E - Not Established

N/L - Not Listed

#### Revision Information:

April 27, 2015- Revisions to 1910.1200 GHS standard

	
Health:	1
Flammability:	0
Reactivity:	0

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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

**\*\*IMPORTANT SAFETY INFORMATION\*\*DO NOT DISCARD\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\***