

## Material Safety Data Sheet

# Deep Clean Well Wash

HEALTH	*	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

### 1. Product and Company Identification

<b>Material name</b>	<b>Deep Clean Well Wash</b>
<b>Patent Number</b>	Not available
<b>Revision date</b>	April-27-2011
<b>Version No.</b>	2
<b>CAS #</b>	Mixture
<b>Manufacturer information</b>	INTEGRITY INDUSTRIES INC.
<b>Supplier information</b>	INTEGRITY INDUSTRIES INC. P O BOX 5342 Kingsville, TX 78363
<b>Supplier emergency telephone number(s)</b>	CHEMTREC 1-800-424-9300/361-595-5561

### 2. Hazards Identification

<b>Emergency overview</b>	WARNING  Irritating to eyes, respiratory system and skin. May be harmful if swallowed, inhaled, or absorbed through skin. Prolonged exposure may cause chronic effects. May be ignited by heat, sparks or flames. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>OSHA regulatory status</b>	This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Eye contact. Inhalation. Skin contact.
<b>Eyes</b>	Do not get this material in contact with eyes. Irritating to eyes.
<b>Skin</b>	Do not get this material in contact with skin. Irritating to skin. May be harmful in contact with skin (after often repeated exposure). 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans.
<b>Inhalation</b>	Do not inhale/breathe vapors. May cause irritation of respiratory tract.
<b>Ingestion</b>	Do not ingest. May be harmful if swallowed. May be irritating to mouth, throat, and stomach.
<b>Target organs</b>	Respiratory system. Eyes. Skin.
<b>Potential environmental effects</b>	May cause long-term adverse effects in the environment.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
Alkyl phenol ethoxylate	9016-45-9	7 - 13
Sodium Hydroxide	1310-73-2	1 - 5
2-Butoxyethanol	111-76-2	1 - 5
Isopropyl alcohol	67-63-0	1 - 5

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	If in eyes, rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
<b>Skin contact</b>	Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse. Get medical attention if symptoms occur.
<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention if symptoms occur.
<b>Ingestion</b>	Have victim rinse mouth thoroughly with water. Drink plenty of water. Do not induce vomiting without medical advice. Get medical attention immediately.

**General advice** If you feel unwell, seek medical advice (show the label where possible).

### 5. Fire Fighting Measures

**Flammable properties** Containers may explode when heated. Runoff to sewer may cause fire or explosion hazard.

#### Extinguishing media

<b>Suitable extinguishing media</b>	Water. Water fog. Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.

#### Protection of firefighters

**Protective equipment and precautions for firefighters** In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

### 6. Accidental Release Measures

**Personal precautions** Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for containment</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Should not be released into the environment.  Large Spills: Dike far ahead of liquid spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. After removal flush contaminated area thoroughly with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.  Never return spills in original containers for re-use.

## 7. Handling and Storage

<b>Handling</b>	Keep away from sources of ignition - No smoking. Do not breathe vapors or spray mist. Use only with adequate ventilation. Do not get this material in your eyes, on your skin, or on your clothing. Avoid release to the environment. Wash thoroughly after handling. Avoid prolonged exposure.
<b>Storage</b>	Keep away from heat and sources of ignition (spark or flame). Keep tightly closed in a dry, cool and well-ventilated place. Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

### Exposure limits

#### ACGIH

Components	CAS #	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	20 ppm	Not established	Not established
Isopropyl alcohol	67-63-0	200 ppm	400 ppm	Not established
Sodium Hydroxide	1310-73-2	Not established	Not established	2 mg/m <sup>3</sup>

#### OSHA

Components	CAS #	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	50 ppm	Not established	Not established
Isopropyl alcohol	67-63-0	400 ppm	Not established	Not established
Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup>	Not established	Not established

<b>Engineering controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower nearby.
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### Personal protective equipment

#### Eye / face protection

Wear chemical goggles. Face-shield.

#### Skin protection

Avoid contact with the skin. Wear suitable protective clothing and eye/face protection. Impervious gloves.

<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.
<b>General hygiene considerations</b>	When using do not smoke. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Yellow
<b>Odor</b>	Slight alcohol
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>pH</b>	9 - 9.5
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	217.4 °F (103 °C) estimated
<b>Flash point</b>	212 °F (100 °C)
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Vapor pressure</b>	33 mm Hg
<b>Vapor density</b>	2.07
<b>Specific gravity</b>	1.01
<b>Relative density</b>	1.0099 g/cm <sup>3</sup> estimated
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>VOC</b>	3.62 % estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon oxides
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.



## Environmental effects

### Ecotoxicity - Freshwater Algae Data

Isopropyl alcohol	67-63-0	96 Hr EC50 Scenedesmus subspicatus: >1000 mg/L; 72 Hr EC50 Scenedesmus subspicatus: >1000 mg/L
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### Ecotoxicity - Freshwater Fish Species Data

2-Butoxyethanol	111-76-2	96 Hr LC50 Lepomis macrochirus: 1490 mg/L [static]
Isopropyl alcohol	67-63-0	96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 94900 mg/L [flow-through] (29 days old); 96 Hr LC50 Pimephales promelas: 61200 mg/L [flow-through] (31 days old)
Sodium Hydroxide	1310-73-2	96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]

### Ecotoxicity - Microtox Data

Isopropyl alcohol	67-63-0	5 min EC50 Photobacterium phosphoreum: 35390 mg/L
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### Ecotoxicity - Water Flea Data

2-Butoxyethanol	111-76-2	24 Hr EC50 water flea: 1720 mg/L; 24 Hr LC50 Daphnia magna: 1698-1940 mg/L
Isopropyl alcohol	67-63-0	48 Hr EC50 Daphnia magna: 13299 mg/L

## 13. Disposal Considerations

### Disposal instructions

Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

Not regulated as hazardous goods.

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Not regulated as dangerous goods.

### Canadian Transportation of Dangerous Goods (TDG) Requirements

Not regulated as hazardous goods.

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Not regulated as dangerous goods.

### IMDG

Not regulated as hazardous goods.

### IMDG

Not regulated as dangerous goods.

### IATA

Not regulated as hazardous goods.

### IATA

Not regulated as dangerous goods.

## 15. Regulatory Information

### Labelling

#### Contains

2-Butoxyethanol, Alkyl phenol ethoxylate, Isopropyl alcohol, Sodium Hydroxide

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**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

**FEMA (Flavor and Extract Manufacturers Association) - FEMA Numbers**

Isopropyl alcohol 67-63-0 2929

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

2-Butoxyethanol 111-76-2 1.0 % de minimis concentration (applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)

Isopropyl alcohol 67-63-0 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

**U.S. - FDA - Color Additives Conditionally Approved for Use in Foods**

Isopropyl alcohol 67-63-0 21 CFR 73.1

**U.S. - FDA - Direct Food Additives**

2-Butoxyethanol 111-76-2 21 CFR 173.315

Isopropyl alcohol 67-63-0 21 CFR 172.515, 21 CFR 173.240, 21 CFR 173.340

Sodium Hydroxide 1310-73-2 21 CFR 173.310

**U.S. - FDA - Food Additives Generally Recognized as Safe (GRAS)**

Sodium Hydroxide 1310-73-2 21 CFR 184.1763

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

Sodium Hydroxide: 1000.0000

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

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**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**International regulations**
**Canada - WHMIS - Ingredient Disclosure List**

2-Butoxyethanol	111-76-2	1 %
Isopropyl alcohol	67-63-0	1 %
Sodium Hydroxide	1310-73-2	1 %





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**State regulations**

WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**U.S. - Massachusetts - Right To Know List**

2-Butoxyethanol	111-76-2	Present
Isopropyl alcohol	67-63-0	Present
Sodium Hydroxide	1310-73-2	Present

**U.S. - Minnesota - Hazardous Substance List**

2-Butoxyethanol	111-76-2	Skin
Isopropyl alcohol	67-63-0	Present
Sodium Hydroxide	1310-73-2	Present

**U.S. - New Jersey - Right to Know Hazardous Substance List**

2-Butoxyethanol	111-76-2	sn 0275
Isopropyl alcohol	67-63-0	sn 1076; sn 2381 (strong-acid process manufacture)
Sodium Hydroxide	1310-73-2	sn 1706

**U.S. - Pennsylvania - RTK (Right to Know) List**

2-Butoxyethanol	111-76-2	Present
Isopropyl alcohol	67-63-0	Environmental hazard
Sodium Hydroxide	1310-73-2	Environmental hazard

**U.S. - Rhode Island - Hazardous Substance List**

2-Butoxyethanol	111-76-2	Toxic (skin)
Isopropyl alcohol	67-63-0	Toxic; Flammable
Sodium Hydroxide	1310-73-2	Toxic; Flammable

**U.S. - Texas - Effects Screening Levels - Long Term**

2-Butoxyethanol	111-76-2	5 ppb ESL; 24 µg/m <sup>3</sup> ESL
Alkyl phenol ethoxylate	9016-45-9	2.4 ppb ESL; 60 µg/m <sup>3</sup> ESL
Isopropyl alcohol	67-63-0	320 ppb ESL (odor); 785 µg/m <sup>3</sup> ESL (odor)
Sodium Hydroxide	1310-73-2	2 µg/m <sup>3</sup> ESL

**U.S. - Texas - Effects Screening Levels - Short Term**

2-Butoxyethanol	111-76-2	50 ppb ESL; 240 µg/m <sup>3</sup> ESL
Alkyl phenol ethoxylate	9016-45-9	24 ppb ESL; 600 µg/m <sup>3</sup> ESL
Isopropyl alcohol	67-63-0	3200 ppb ESL (odor); 7850 µg/m <sup>3</sup> ESL (odor)
Sodium Hydroxide	1310-73-2	20 µg/m <sup>3</sup> ESL

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**16. Other Information**

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**HMIS® ratings**

Health: 2\*  
Flammability: 1  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 1  
Instability: 0

**Prepared by**

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**Disclaimer**

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**Issue date**

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**MSDS sections updated**

Product and Company Identification: Alternate Trade Names