



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

Commercial Product Name : LYSOL IC DECON SOLUTION 1 GAL  
Mat.-No./ Genisys-No. : 06947085001  
  
Ventana material number :

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended restrictions : For professional users only.  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Roche Diagnostics Limited  
Charles Avenue  
Burgess Hill  
RH15 9RY West Sussex

E-mail address : -  
Telephone : +44 1444 256000  
Telefax : +44 1444 256239  
Responsible Department :  
In case of emergencies: : Health, Safety & +44 1444 256500 or +44  
(Roche Diagnostics Ltd.) Environment 7802 260498  
- +44 1444 256561 or +44  
Product Safety / Vigilance 7710 391653  
-  
Toxicology 24Hr help-line: : NPIS: +44 844 892 0111  
Health Advice 24Hr help-line: NHS Direct: +44 845 4647  
NHS 24: +44 8454 242424

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H302: Harmful if swallowed.  
Skin corrosion, Category 1B H314: Causes severe skin burns and eye damage.

##### Classification (67/548/EEC, 1999/45/EC)

Corrosive R34: Causes burns.  
Harmful R22: Harmful if swallowed.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.

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

Hazardous components which must be listed on the label:  
7173-51-5 didecyldimethylammonium chloride

68391-01-5 Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides

### 2.3 Other hazards

No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

**Hazardous components**

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006

**LYSOL IC DECON SOLUTION 1 GAL**

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

| Chemical Name   | CAS-No.<br>EC-No.<br>Registration<br>number | Classification<br>(67/548/EEC)                     | Classification<br>(REGULATION<br>(EC) No<br>1272/2008)   | Concentration<br>[%] |
|---|---|--|--|----------------------|
| didecyldimethylammonium chloride                                      | 7173-51-5<br>230-525-2                      | C; R34<br>Xn; R22                                  | Acute Tox. 4; H302<br>Skin Corr. 1B;<br>H314   | >= 10 - < 20         |
| edetic acid   | 60-00-4<br>200-449-4                        | Xi; R36<br>R52/53                                  | Eye Irrit. 2; H319<br>Aquatic Chronic 3;<br>H412   | >= 10 - < 20         |
| Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides | 68391-01-5<br>269-919-4                     | T; T; R25<br>Xn; Xn; R21<br>C; C; R34<br>N; N; R50 | Acute Tox. 3; H301<br>Acute Tox. 4; H312<br>Skin Corr. 1B;<br>H314<br>Aquatic Acute 1;<br>H400 | >= 10 - < 20         |
| Octyl dimethylamine oxide   | 2605-78-9                                   | Xi; Xi; R36/37/38                                  | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335                                   | >= 10 - < 20         |
| ethanol   | 64-17-5<br>200-578-6                        | F; R11   | Flam. Liq. 2; H225   | < 10                 |
| sodium hydroxide  | 1310-73-2<br>215-185-5                      | C; R35   | Met. Corr. 1; H290<br>Skin Corr. 1A;<br>H314   | >= 2 - < 5           |

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures**

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Immediate medical treatment is necessary as untreated



## LYSOL IC DECON SOLUTION 1 GAL

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

- wounds from corrosion of the skin heal slowly and with difficulty.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
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.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

- Special protective equipment : Wear self contained breathing apparatus for fire fighting if



## LYSOL IC DECON SOLUTION 1 GAL

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

for firefighters necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

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.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

Treat recovered material as described in the section "Disposal considerations".

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Advice on safe handling : 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.  
To prevent leaks or spillages from spreading, provide a suitable liquid retention system.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

#### 7.2 Conditions for safe storage, including any incompatibilities



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.  
 Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : See label, package insert or internal guidelines
- Other data : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

- Specific use(s) : Laboratory chemicals

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

**Components with workplace control parameters**

| Components       | CAS-No.   | Value | Control parameters       | Source   |
|------------------|-----------|-------|--------------------------|--|
| sodium hydroxide | 1310-73-2 | C     | 2 mg/m3                  | USA. ACGIH Threshold Limit Values (TLV)  |
|                  |           | C     | 2 mg/m3                  | USA. NIOSH Recommended Exposure Limits   |
|                  |           | TWA   | 2 mg/m3                  | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
|                  |           | C     | 2 mg/m3                  | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                    |
| ethanol          | 64-17-5   | TWA   | 1,000 ppm                | USA. ACGIH Threshold Limit Values (TLV)  |
|                  |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. NIOSH Recommended Exposure Limits   |
|                  |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
|                  |           | TWA   | 1,000 ppm<br>1,900 mg/m3 | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000                    |



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

**Personal protective equipment**

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

Hand protection :  
Protective gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

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

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : impervious clothing  
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.



## LYSOL IC DECON SOLUTION 1 GAL

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

|  |   |
|--|---|
| Appearance                             | : liquid                                |
| Colour                                 | : amber                                 |
| Odour                                  | : characteristic                        |
| pH                                     | : 7.2 - 8.2, 25 °C                      |
| Melting point/range                    | : no data available                     |
| Boiling point/boiling range            | : no data available                     |
| Flash point                            | : 71.11 °C                              |
| Flammability (solid, gas)              | : The product is not flammable.         |
| Lower explosion limit                  | : no data available                     |
| Upper explosion limit                  | : no data available                     |
| Vapour pressure                        | : no data available                     |
| Density                                | : 0.99 - 1.01 g/cm <sup>3</sup> , 25 °C |
| Water solubility                       | : completely miscible                   |
| Partition coefficient: n-octanol/water | : no data available                     |
| Ignition temperature                   | : no data available                     |
| Thermal decomposition                  | : no data available                     |
| Viscosity, dynamic                     | : no data available                     |

#### 9.2 Other information

|                     |                     |
|---------------------|---------------------|
| Conductivity        | : no data available |
| Oxidising potential | : no data available |
| Surface tension     | : no data available |

### SECTION 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Hazardous reactions : Further information: No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : no data available

### 10.5 Incompatible materials

Materials to avoid : Acids  
Oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products : nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides  
Ammonia  
Gaseous hydrogen chloride (HCl).

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Product

Acute inhalation toxicity : no data available

Acute toxicity (other routes of administration) : no data available

Skin corrosion/irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Aspiration toxicity : no data available

Further information : no data available

#### Components:

##### **edetic acid:**

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

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Acute toxicity (other routes of administration) : no data available



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

administration)

Skin corrosion/irritation : May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation : Result: Irritating to eyes., May cause irreversible eye damage.

Respiratory or skin sensitization : Result: no data available

STOT - single exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity : no data available

Further information : no data available

**Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:**

Acute oral toxicity : LD50 Oral: 240 mg/kg, rat

Acute inhalation toxicity : no data available

Acute dermal toxicity : LD50 Dermal: 1,420 mg/kg, rat

Acute toxicity (other routes of administration) : no data available

Skin corrosion/irritation : Result: Causes burns., Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitization : Result: no data available

STOT - single exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Aspiration toxicity : no data available

Further information : no data available

**Octyl dimethylamine oxide:**



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

- Acute oral toxicity : no data available
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : no data available
- Acute toxicity (other routes of administration) : no data available
- Skin corrosion/irritation : Result: Irritating to skin., May cause skin irritation in susceptible persons.
- Serious eye damage/eye irritation : Result: Irritating to eyes., May cause irreversible eye damage.
- Respiratory or skin sensitization : Result: no data available
- STOT - single exposure : Exposure routes: Inhalation  
Target Organs: Respiratory system  
Assessment: May cause respiratory irritation.  
  
: Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
- STOT - repeated exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- Aspiration toxicity : no data available
- Further information : no data available
- sodium hydroxide:**
- Acute oral toxicity : no data available
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : no data available
- Acute toxicity (other routes of administration) : no data available
- Skin corrosion/irritation : Result: Causes severe burns., Extremely corrosive and destructive to tissue.  
: Extremely corrosive and destructive to tissue.
- Serious eye damage/eye irritation : Result: Risk of serious damage to eyes., May cause irreversible eye damage.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LYSOL IC DECON SOLUTION 1 GAL

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

- : May cause irreversible eye damage.
- Respiratory or skin sensitization : Result: no data available
- Germ cell mutagenicity
- Genotoxicity in vitro : Ames test, Result: negative
- Reproductive toxicity : no data available
- STOT - single exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
- STOT - repeated exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- Aspiration toxicity : no data available
- Further information : no data available  
: no data available
- ethanol:**
- Acute oral toxicity : LD50: 7,000 mg/kg, rat  
: LD50: 3,450 mg/kg, mouse
- Acute inhalation toxicity : LC50: 20000 ppm, 10 h, rat,  
: LC50: 39 g/m<sup>3</sup>, 4 h, mouse,
- Acute dermal toxicity : no data available
- Acute toxicity (other routes of administration) : no data available
- Skin corrosion/irritation : This information is not available.
- Serious eye damage/eye irritation : This information is not available.
- Respiratory or skin sensitization : Result: no data available
- STOT - single exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
- Aspiration toxicity : no data available



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

Further information : no data available

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Product:**

Toxicity to fish : no data available  
Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Toxicity to bacteria : no data available

**Ecotoxicology Assessment**

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

**Components:**

**edetic acid:**

Toxicity to fish : LC50: 41 mg/l, 96 h, Lepomis macrochirus (Bluegill sunfish)  
: LC50: 59.8 mg/l, 96 h, Cyprinodon sp. (minnow)

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : EC50: 113 mg/l, 48 h, Daphnia magna (Water flea)

Toxicity to bacteria : EC50: 28 mg/l, 16 h, Pseudomonas putida

**Ecotoxicology Assessment**

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

**Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:**

Toxicity to fish : LC50: 0.31 mg/l, 96 h, Lepomis macrochirus (Bluegill sunfish)

Toxicity to daphnia and other aquatic invertebrates : no data available



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Toxicity to algae : no data available

Toxicity to bacteria : no data available

### Ecotoxicology Assessment

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

### Octyl dimethylamine oxide:

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Toxicity to bacteria : no data available

### Ecotoxicology Assessment

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

### sodium hydroxide:

Toxicity to fish : LC50: 45.4 mg/l, 96 h, Oncorhynchus mykiss (rainbow trout)  
: LC50: ca. 7 mg/l, Leuciscus idus (Golden orfe)

Toxicity to daphnia and other aquatic invertebrates : EC50: 40.38 mg/l, 48 h, Daphnia magna (Water flea)

Toxicity to algae : no data available

Toxicity to bacteria : no data available

### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known eco-toxicological effects.

Chronic aquatic toxicity : This product has no known eco-toxicological effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

### ethanol:

Toxicity to fish : LC50: 8,000 mg/l, 48 h, Leuciscus idus (Golden orfe)  
: LC50: 7,100 mg/l, Oncorhynchus mykiss (rainbow trout),



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50: 5,400 mg/l, 48 h, Daphnia magna (Water flea)

Toxicity to algae : EC0: 5,000 mg/l, 7 d, Scenedesmus quadricauda (Green algae)

Toxicity to bacteria : EC0: 6,500 mg/l, 16 h, Pseudomonas putida

### Ecotoxicology Assessment

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

### 12.2 Persistence and degradability

#### Product:

Biodegradability : no data available

#### Components:

##### **edetic acid:**

Biodegradability : 10 %, Exposure time: 28 d, OECD Test Guideline 301  
: < 20 %, Exposure time: 28 d, OECD Test Guideline 302

##### **Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:**

Biodegradability : no data available

##### **Octyl dimethylamine oxide:**

Biodegradability : no data available

##### **sodium hydroxide:**

Biodegradability : no data available

##### **ethanol:**

Biodegradability : no data available

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : no data available

#### Components:

##### **edetic acid:**

Bioaccumulation : no data available

##### **Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:**



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Bioaccumulation : no data available

**Octyl dimethylamine oxide:**

Bioaccumulation : no data available

**sodium hydroxide:**

Bioaccumulation : no data available

**ethanol:**

Bioaccumulation : no data available

### 12.4 Mobility in soil

**Product:**

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

removability

**Components:**

**edetic acid:**

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

removability

**Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:**

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

removability

**Octyl dimethylamine oxide:**



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Mobility : no data available

Distribution among environmental compartments : no data available

Environmental fate and pathways : no data available

Physico-chemical removability  
**sodium hydroxide:**

Mobility : no data available

Distribution among environmental compartments : no data available

Environmental fate and pathways : no data available

Physico-chemical removability  
**ethanol:**

Mobility : no data available

Distribution among environmental compartments : no data available

Environmental fate and pathways : no data available

Physico-chemical removability : no data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

**Components:**

**edetic acid:**

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

(vPvB).

### **Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:**

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

### **Octyl dimethylamine oxide:**

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

### **sodium hydroxide:**

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

### **ethanol:**

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

## **12.6 Other adverse effects**

### **Product:**

Biochemical Oxygen Demand (BOD) : no data available

Dissolved organic carbon (DOC) : no data available

Chemical Oxygen Demand (COD) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Additional ecological information : no data available

### **Components:**

#### **edetic acid:**

Biochemical Oxygen Demand (BOD) : no data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LYSOL IC DECON SOLUTION 1 GAL

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

Dissolved organic carbon : no data available  
(DOC)

Chemical Oxygen Demand : no data available  
(COD)

Adsorbed organic bound : no data available  
halogens (AOX)

**Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides:**

Biochemical Oxygen : no data available  
Demand (BOD)

Dissolved organic carbon : no data available  
(DOC)

Chemical Oxygen Demand : no data available  
(COD)

Adsorbed organic bound : not applicable  
halogens (AOX)

Additional ecological : An environmental hazard cannot be excluded in the event of  
information unprofessional handling or disposal., Very toxic to aquatic life.

**Octyl dimethylamine oxide:**

Biochemical Oxygen : no data available  
Demand (BOD)

Dissolved organic carbon : no data available  
(DOC)

Chemical Oxygen Demand : no data available  
(COD)

Adsorbed organic bound : no data available  
halogens (AOX)

Additional ecological : no data available  
information

**sodium hydroxide:**

Biochemical Oxygen : no data available  
Demand (BOD)

Dissolved organic carbon : no data available  
(DOC)



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Chemical Oxygen Demand (COD) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Additional ecological information : no data available

**ethanol:**

Biochemical Oxygen Demand (BOD) : no data available

Dissolved organic carbon (DOC) : no data available

Chemical Oxygen Demand (COD) : no data available

Adsorbed organic bound halogens (AOX) : no data available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product : 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.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

### SECTION 14. TRANSPORT INFORMATION

**IATA**

UN number : 1903

Description of the goods :  
(Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride)

Class : 8

Packing group : III

Labels : 8

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852  
Packing instruction (LQ) : Y841  
Environmentally hazardous : no

### IMDG

UN number : 1903  
Description of the goods :  
(Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride)  
Class : 8  
Packing group : III  
Labels : 8  
EmS Number 1 : F-A  
EmS Number 2 : S-B  
Marine Pollutant : no  
Environmentally hazardous : no

## SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : Combustible Liquid  
Toxic by ingestion  
Harmful by skin absorption.  
Corrosive to skin  
Severe eye irritant  
Moderate respiratory irritant  
Carcinogen

**WHMIS Classification** : B3 Combustible Liquid  
Combustible Liquid  
D1B Toxic Material Causing Immediate and Serious Toxic Effects  
Toxic by ingestion  
D2B Toxic Material Causing Other Toxic Effects  
Moderate respiratory irritant  
E Corrosive Material  
Severe eye irritant  
  
Corrosive to skin

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### CERCLA Reportable Quantity



## LYSOL IC DECON SOLUTION 1 GAL

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Components : sodium hydroxide 1000 lbs

### SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

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

### EPCRA - Emergency Planning and Community Right-to-Know Act

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

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

### Clean Air Act

**Ozone-Depletion Potential** : 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 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):

ethanol 2.5 %

### Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

sodium hydroxide

### US State Regulations

#### Massachusetts Right To Know



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013

Components : edetic acid 10 - 30 %  
sodium hydroxide 1 - 5 %  
ethanol 1 - 5 %

**Pennsylvania Right To Know**

Components : water 50 - 70 %  
didecyldimethylammonium chloride 10 - 30 %  
edetic acid 10 - 30 %  
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides 10 - 30 %  
Octyl dimethylamine oxide 10 - 30 %  
sodium hydroxide 1 - 5 %  
ethanol 1 - 5 %

**New Jersey Right To Know**

Components : water 50 - 70 %  
didecyldimethylammonium chloride 10 - 30 %  
edetic acid 10 - 30 %  
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides 10 - 30 %  
Octyl dimethylamine oxide 10 - 30 %  
sodium hydroxide 1 - 5 %  
ethanol 1 - 5 %

**California Prop 65 Components** : 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**

Full text of R-phrases referred to under sections 2 and 3

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LYSOL IC DECON SOLUTION 1 GAL

Version 1 . 0

Revision Date 01-14-2013

Print Date 01-29-2013

|           |   |
|-----------|---|
| R11       | Highly flammable.   |
| R21       | Harmful in contact with skin.   |
| R22       | Harmful if swallowed.   |
| R25       | Toxic if swallowed.   |
| R34       | Causes burns.   |
| R35       | Causes severe burns.  |
| R36       | Irritating to eyes.   |
| R36/37/38 | Irritating to eyes, respiratory system and skin.  |
| R50       | Very toxic to aquatic organisms.  |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

### Full text of H-Statements referred to under sections 2 and 3.

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.                |
| H290 | May be corrosive to metals.                        |
| H301 | Toxic if swallowed.                                |
| H302 | Harmful if swallowed.                              |
| H312 | Harmful in contact with skin.                      |
| H314 | Causes severe skin burns and eye damage.           |
| H315 | Causes skin irritation.                            |
| H319 | Causes serious eye irritation.                     |
| H335 | May cause respiratory irritation.                  |
| H400 | Very toxic to aquatic life.                        |
| H412 | Harmful to aquatic life with long lasting effects. |

### Further information

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.



**LYSOL IC DECON SOLUTION 1 GAL**

Version 1.0

Revision Date 01-14-2013

Print Date 01-29-2013