SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: SuperNova .1 NpHD Neutral Detergent
Product No.: CSNB01

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

Identified uses: Pre-cleaning for surgical instruments and sterilization containers.

1.3. Details of the supplier of the safety data sheet

Supplier: Case Medical Inc.
19 Empire Blvd.
South Hackensack
NJ 07606
USA
Tel: 201-313-1999
Fax: 201-373-9090

Contact Person: SDS Contact: DCM Compliance, info@dcmcompliance.com

1.4. Emergency telephone number

201-313-1999

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards: Not classified.
Human health: Skin Corr. 1B - H314
Environment: Not classified.

Classification (1999/45/EEC): C;R34.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Contains: POTASSIUM HYDROXIDE

Label In Accordance With (EC) No. 1272/2008

Signal Word: Danger

Hazard Statements: H314
Causes severe skin burns and eye damage.

Precautionary Statements: P280
Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338
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.

Supplementary Precautionary Statements: P260
Do not breathe vapour/spray.
### 2.3. Other hazards

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EDETIC ACID (EDTA)</strong></td>
<td>1-10%</td>
</tr>
<tr>
<td>CAS-No.: 60-00-4</td>
<td>EC No.: 200-449-4</td>
</tr>
<tr>
<td>Classification (EC 1272/2008)</td>
<td>Classification (67/548/EEC)</td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
<td>Xi;R36</td>
</tr>
</tbody>
</table>

| **ETHOXYLATED ALCOHOL** | 1-10% |
| CAS-No.: | EC No.: |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Not classified. | Xi;R36/37/38. |

| **N-(n-OCTYL)-2-PYRROLIDONE** | < 1% |
| CAS-No.: 2687-94-7 | EC No.: 403-700-8 |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Skin Corr. 1B - H314 | C;R34 |
| Aquatic Chronic 2 - H411 | N;R51/53 |

| **Poly(oxy-1,2-ethanediyl), a-(2-ethylhexyl)-w-hydroxy-** | 1-10% |
| CAS-No.: 26468-86-0 | EC No.: |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Eye Dam. 1 - H318 | Xi;R41. |

| **POTASSIUM HYDROXIDE** | 1-10% |
| CAS-No.: 1310-58-3 | EC No.: 215-181-3 |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Acute Tox. 4 - H302 | C;R35 |
| Skin Corr. 1A - H314 | Xn;R22 |

| **SODIUM HYDROXIDE** | < 1% |
| CAS-No.: 1310-73-2 | EC No.: 215-185-5 |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Skin Corr. 1A - H314 | C;R35. |
SODIUM XYLENE SULPHONATE 40%

CAS-No.: 1300-72-7  EC No.: 215-090-9

Classification (EC 1272/2008)  Classification (67/548/EEC)
Skin Irrit. 2 - H315  Xi;R36/37/38.
Eye Irrit. 2 - H319
STOT SE 3 - H335

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

Ingestion
DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

Skin contact
Remove affected person from source of contamination. Rinse the skin immediately with lots of water. Continue to rinse for at least 15 minutes and seek medical attention.

Eye contact
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

Ingestion
May cause chemical burns in mouth and throat.

Skin contact
Burns can occur.

Eye contact
Contact with eyes may cause irritation or burning.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Use: Water spray, fog or mist. Dry chemicals.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Do not enter confined fire-spaces without protective clothing and self-contained air supply.
Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions
6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Flush area with plenty of water. Do not let washing down water contaminate ponds or waterways.

6.4. Reference to other sections

For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

If pH exposure is below 2.5 or above 9.5 products efficacy may be lost. If temperature exceeds 130°F (55°) product efficacy may be lost. Follow GMP. Keep containers closed when not in use. Wash thoroughly after handling.

Storage Class
Corrosive storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTASSIUM HYDROXIDE</td>
<td></td>
<td></td>
<td>2 mg/m3</td>
<td></td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>WEL</td>
<td></td>
<td>mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

Ingredient Comments
Ireland, Occupational Exposure Limits 2010

8.2. Exposure controls

Protective equipment

Hand protection
Use suitable protective gloves if risk of skin contact. Protective gloves complying with EN 374.

Eye protection
If risk of splashing, wear safety goggles or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Other Protection
Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Liquid
Colour: Clear
Odour: Characteristic
Solubility: Soluble in water.
SuperNova .1 NpHD Neutral Detergent

Initial boiling point and boiling range  >100ºC
Relative density  1.04± 0.005
pH-Value, Conc. Solution  7±0.5

9.2. Other information

Not known.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No specific reactivity hazards associated with this product.

10.2. Chemical stability
Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions
Hazardous Polymerisation
Will not polymerise.

10.4. Conditions to avoid

10.5. Incompatible materials
Materials To Avoid
Strong acid s/oxidizers. Do not mix with chlorinated detergents (bleach).

10.6. Hazardous decomposition products
Burning may produce oxides of carbon and other substances.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Eye contact
No specific health warnings noted.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.2. Persistence and degradability
Degradability
There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil
Mobility:
The product is soluble in water.

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1760
UN No. (IMDG) 1760
UN No. (ICAO) 1760

14.2. UN proper shipping name

Proper Shipping Name CORROSIVE LIQUID, N.O.S. (POTASSIUM HYDROXIDE, N-(n-OCTYL)-2-PYRROLIDONE)

14.3. Transport hazard class(es)

ADR/RID/ADN Class 8
ADR/RID/ADN Class Class 8: Corrosive substances.
ADR Label No. 8
IMDG Class 8
ICAO Class/Division 8

Transport Labels

![CORROSIVE]

14.4. Packing group

ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

EMS F-A, S-B
Emergency Action Code 2X
Hazard No. (ADR) 80
Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation
The UN Globally Harmonised System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date Apr’ 19, 2012
SuperNova .1 NpHD Neutral Detergent

Revision C

Risk Phrases In Full
R34 Causes burns.
R35 Causes severe burns.
R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36 Irritating to eyes.
R41 Risk of serious damage to eyes.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H302 Harmful if swallowed.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

HIMS Rating

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
<th>0- least</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
<td>1- slight</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
<td>2- moderate</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>B</td>
<td>3- high</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4- extreme</td>
</tr>
</tbody>
</table>

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