

**90100390**

**Double Duty  
Concentrate Cleaner**

7/22/2003

**Section 1 - Product and Company Identification**

|   |                                 |                |   |
|---|---------------------------------|----------------|---|
| Code:   | Chemical Family                 | Not available  | NPCA Hazardous Material Identification System |
| Product Name<br><b>DOUBLE DUTY</b>                | Formula                         | Not applicable | Health 1                                      |
| Generic Description<br>High Performance Detergent | Phone: 337-474-2775             |                | Flammability 0                                |
| Supplier<br><b>H&amp;H CHEMICAL</b>               | Emergency phone: 1-800-926-7627 |                | Physical Hazard 0                             |

**Section 2 - Ingredients:**

| Ingredient Name  | CAS #      | % by Weight | TLV/PEL        | Carcinogenic Effects |
|--|------------|-------------|----------------|----------------------|
| 1) Water   | 7732-18-5  | 75-85       | Not available. | Not available.       |
| 2) Tetrasodium salt of ethylenediaminetetraacetic acid | 64-02-8    | 5-10        | Not available. | Not available.       |
| 3) Nonionic Surfactant                                 | 9016-45-9  | 0-5         | Not available. | Not available.       |
| 4) Anionic Surfactant                                  | 25155-30-0 | 0-5         | Not available. | Not available.       |
| 5) Triethanolamine                                     | 102-71-6   | <1          | Not available. | Not available.       |
| 6) Anionic Surfactant                                  | 5324-84-5  | <1          | Not available. | Not available.       |
| 7) Nonionic Surfactant                                 | 66455-15-0 | <1          | Not available. | Not available.       |
| 8) Perfume Oil   | N/A        | <1          | Not available. | Not available.       |
| 9) Dye   | N/A        | <1          | Not available. | Not available.       |

**Section 3 - Physical and Chemical Properties**

|                               |                              |                  |                          |
|-------------------------------|------------------------------|------------------|--------------------------|
| Boiling point                 | 215°F initial                | Specific Gravity | 1.04 (Water = 1)         |
| Vapor Pressure                | 17.54 mm Hg @ 68 F           | Vapor density:   | >1 (Air = 1)             |
| Volatility                    | 85                           | pH               | 10 to 11 [Basic]         |
| Solubility                    | Easily soluble in cold water | Evaporation Rate | <1 compared to Water     |
| Physical State and Appearance | Liquid                       | Odor             | Green, (Light) Pleasant. |

**Section 5 - Reactivity Data**

|                                  |                        |
|----------------------------------|------------------------|
| Stability                        | The product is stable. |
| Compatibility                    | Not available.         |
| Hazardous Decomposition Products | Not available.         |
| Hazardous Polymerization         | Will not occur.        |

**Section 4 - Fire/Explosion Hazards**

|                           |  |                  |                |
|---------------------------|--|------------------|----------------|
| Flash points (closed cup) | CLOSED CUP >98 889°C (210°F)   | Explosion Limits | Not available. |
| Extinguishing media       | Non-flammable substance.   |                  |                |
| Fire-Fighting Measures    | Wear full protective clothing Use extinguishing media indicated  |                  |                |
| Explosion Hazards         | No specific information is available in our database regarding the product's risks of explosion in the presence of various materials |                  |                |

**Section 6 - Storage**

Precautions to be taken in handling and storage  
 Avoid breathing vapors or spray mists.  
 Keep out of the reach of children. Not for use or storage in or around the home.

**Section 7 - Health Hazards/ FIRST AID**

|   |   |                    |   |
|---|---|--------------------|---|
| Chronic Effects:                          | Repeated skin exposure can produce local skin destruction, or dermatitis.           | FIRST AID MEASURES | After contact with skin, wash immediately with plenty of water.                       |
| ROUTES OF ENTRY                           |   |                    | In case of contact with eyes, rinse immediately with plenty of water.                 |
| Skin                                      | Slightly irritating   |                    | NO known EFFECT according to our data base.   |
| Eyes                                      | Irritant inflammation of the eye is characterized by redness, watering, and itching |                    | Have conscious person drink several glasses of water or milk. Seek medical attention. |
| Inhalation                                | Non-irritating to the respiratory system.   |                    |   |
| Ingestion                                 | May cause nausea, vomiting and diarrhea. May cause gastrointestinal discomfort.     |                    |   |
| Medical Conditions aggravated by Exposure | Repeated or prolonged exposure is not known to aggravate medical condition.         |                    |   |

**Section 8 - Personal Protection**

|   |  |
|---|--|
| Protective Clothing   | Ventilation  |
| Eye/Face Protection<br>Safety glasses   | Good general ventilation should be sufficient to control airborne levels |
| Hand/Arm Protection<br>Gloves   |  |
| Respiratory Protection<br><small>(A respirator is not needed under normal and intended conditions of product use)</small> |  |
| Other Special Considerations  | Not applicable   |

**Section 9 - Large Spill and Leak**

|  |   |
|--|---|
| Methods for cleaning up Spill  | Methods of disposal   |
| Absorb with an inert material and put the spilled material in an appropriate waste disposal.<br>SARA 313 | Waste must be disposed of in accordance with federal, state and local environmental control regulations |

SARA 313 toxic chemical notification and release reporting: No products were found

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards described herein, we cannot guarantee that these are the only hazards that exist.*

# Material Safety Data Sheet

## Emergency Response

## 1-800-926-7627

# H&H Chemical Company

### Section 1 - Product and Company Identification

|                     |   |                  |                 |   |
|---------------------|---|------------------|-----------------|---|
| Code:               | 150   | Chemical Family  | Not available.  | NPCA Hazardous Material Identification System |
| Product Name        | Double Duty   | Formula          | Not applicable. | Health  |
| Generic Description | High Performance Detergent                                      | Phone:           | 337-474-2775    | Flammability                                  |
| Supplier            | H&H Chemical Company<br>P.O. Box 7369<br>Lake Charles, LA 70606 | Emergency phone: | 1-800-926-7627  | Physical Hazard                               |

### Section 2 - Ingredients:

| Ingredient Name  | CAS #      | % by Weight | TLV/PEL        | Carcinogenic Effects |
|--|------------|-------------|----------------|----------------------|
| 1) Tetrasodium salt of ethylenediaminetetraacetic acid | 64-02-8    | <10         | Not available. | Not available.       |
| 2) Nonionic Surfactant                                 | 9016-45-9  | <5          | Not available. | Not available.       |
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| 4) Anionic Surfactant                                  | 5324-84-5  | <1          | Not available. | Not available.       |

### Section 3 - Physical and Chemical Properties

|                               |                               |                  |                           |
|-------------------------------|-------------------------------|------------------|---------------------------|
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| Vapor Pressure                | 17.54 mm Hg @ 68 F            | Vapor density:   | >1 (Air = 1)              |
| Volatility                    | 85                            | pH               | 10 to 11 [Basic]          |
| Solubility                    | Easily soluble in cold water. | Evaporation Rate | <1 compared to Water      |
| Physical State and Appearance | Liquid.                       | Odor             | Green. (Light.) Pleasant. |

### Section 5 - Reactivity Data

|                                  |                        |
|----------------------------------|------------------------|
| Stability                        | The product is stable. |
| Compatibility                    | Not available.         |
| Hazardous Decomposition Products | Not available.         |
| Hazardous Polymerization         | Will not occur.        |

### Section 4 - Fire/Explosion Hazards

|                           |   |                  |
|---------------------------|---|------------------|
| Flash points (closed cup) | None to boiling (TCC)   | Explosion Limits |
| Extinguishing media       | Non-flammable substance.  | Not available.   |
| Fire-Fighting Measures    | Wear full protective clothing Use extinguishing media indicated.  |                  |
| Explosion Hazards         | No specific information is available in our database regarding the product's risks of explosion in the presence of various materials. |                  |

### Section 6 - Storage

**Precautions to be taken in handling and storage**  
 Avoid breathing vapors or spray mists.  
 Keep out of the reach of children. Not for use or storage in or around the home.

### Section 7 - Health Hazards/ FIRST AID

|  |   |
|--|---|
| <b>Chronic Effects:</b> Repeated skin exposure can produce local skin destruction, or dermatitis.<br><b>ROUTES OF ENTRY</b><br>Skin: Slightly irritating<br>Eyes: Irritant. Inflammation of the eye is characterized by redness, watering, and itching.<br>Inhalation: Non-irritating to the respiratory system.<br>Ingestion: May cause nausea, vomiting and diarrhea. May cause gastrointestinal discomfort.<br>Medical Conditions aggravated by Exposure: Repeated or prolonged exposure is not known to aggravate medical condition. | <b>FIRST AID MEASURES</b><br>After contact with skin, wash immediately with plenty of water.<br>In case of contact with eyes, rinse immediately with plenty of water.<br>NO known EFFECT according to our data base.<br>Have conscious person drink several glasses of water or milk. Seek medical attention. |
|--|---|

### Section 8 - Personal Protection

|  |   |
|--|---|
| <b>Protective Clothing</b><br>Eye/Face Protection: Safety glasses.<br>Hand/Arm Protection: Gloves.<br>Respiratory Protection: A respirator is not needed under normal and intended conditions of product use.<br>Other Special Considerations: Not applicable. | <b>Ventilation</b><br>Good general ventilation should be sufficient to control airborne levels. |
|--|---|

### Section 9 - Large Spill and Leak

|   |  |
|---|--|
| <b>Methods for cleaning up Spill</b><br>Absorb with an inert material and put the spilled material in an appropriate waste disposal.<br>SARA 313<br>SARA 313 toxic chemical notification and release reporting: No products were found. | <b>Methods of disposal</b><br>Waste must be disposed of in accordance with federal, state and local environmental control regulations. |
|---|--|

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