



## Met-ALL Terj

| HMIS        |   | NFPA | Personal protective equipment                                                     |                                                                                   |                                                                                     |                                                                                     |
|-------------|---|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Health      | 3 | 3    |  |  |  |  |
| Fire Hazard | 0 | 0    |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
| Reactivity  | 0 | 0    |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

Version Number: 1

Preparation date: 2004-09-21

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Met-ALL Terj

**MSDS #:** 11603\_HX

**Product code:** 11603I00, 11603470, 11603700

**Recommended use:** Synthetic cleaner and rust inhibitor fluid. Alkaline Spray Wash Cleaner for Multi-Metals.

**Manufacturer, importer, supplier:**

JohnsonDiversey, Inc.  
3630 E. Kemper Rd.  
Cincinnati, OH 45241  
Phone: 1-800-438-2647

Canadian Headquarters  
JohnsonDiversey - Canada, Inc.  
2401 Bristol Circle  
Oakville, Ontario L6H 6P1  
Phone: 1-800-668-3131

Johnson Diversey México S.A. de C.V.  
Av. Henry Ford No. 12  
Fracc. Industrial San Nicolás  
C.P. 54030 Tlalnepantla, Estado de México

**Emergency telephone number:** 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

DANGER. CORROSIVE. Causes skin and eye burns. HARMFUL OR FATAL IF SWALLOWED. Do not mix with amines; nitrosamines may be formed . Nitrosamines are potentially carcinogenic .

**Principle routes of exposure:**

Eyes. Skin. Inhalation.

**Skin contact:**

Corrosive. May cause permanent damage.

**Eye contact:**

Corrosive. Causes permanent eye damage, including blindness.

**Inhalation:**

Use only in well-ventilated areas . May cause irritation and corrosive effects to nose, throat and respiratory tract. Avoid repeated or prolonged inhalation of vapors or spray mist which may cause cumulative effects . Persons with pre-existing respiratory conditions should be particularly careful about possible respiratory effects .

**Ingestion:**

Corrosive. Causes burns to mouth, throat and stomach. Do not mix with amines; nitrosamines may be formed . Nitrosamines are potentially carcinogenic .

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**HAZARDOUS COMPONENTS**

| Ingredient       | CAS #     | Weight % | LD50 Oral       | LD50 Dermal   | LC50 Inhalation             |
|------------------|-----------|----------|-----------------|---------------|-----------------------------|
| Sodium hydroxide | 1310-73-2 | 1 - 5%   | 140 mg/kg (rat) | Not available | Not available               |
| Sodium nitrite   | 7632-00-0 | 1 - 5%   | 180 mg/kg (rat) | Not available | 5.5 mg/m <sup>3</sup> (rat) |

## 4. FIRST AID MEASURES

**Eye contact:**

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

**Skin contact:**

Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

**Inhalation:**

If breathing is affected, remove to fresh air. Get medical attention immediately.

**Ingestion:**

Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Notes to physician:**

Sodium nitrite forms methemoglobin in the blood stream. Treat accordingly .

**Aggravated Medical Conditions:**

Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects .

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Dry chemical, water spray, foam, carbon dioxide.  
**Specific hazards:** None known.  
**Unusual hazards:** Corrosive material (See sections 8 and 10).  
**Specific methods:** No special methods required.  
**Autoignition temperature:** No information available.

**Special protective equipment for firefighters:** The product is not flammable. Wear self contained breathing apparatus for fire fighting if necessary.  
**Extinguishing media which must not be used for safety reasons:** No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. Contaminated surfaces will be extremely slippery. Use personal protective equipment.  
**Environmental precautions and clean-up methods:** Use appropriate containment to avoid environmental contamination. Prevent product from entering drains. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Clean up affected area with water.

## 7. HANDLING AND STORAGE

**Handling:**  
Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Avoid repeated or prolonged inhalation of vapors or spray mist which may cause cumulative effects. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:**  
Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing . Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**  
Good general ventilation should be sufficient to control airborne levels . Respiratory protection is not required if good ventilation is maintained . Avoid repeated or prolonged inhalation of vapors or spray mist which may cause cumulative effects .

### Personal Protective Equipment

**Eye protection:** Chemical splash goggles.  
**Hand protection:** Chemical resistant gloves. Includes. neoprene gloves.  
**Skin and body protection:** If major exposure is possible, wear suitable protective clothing and footwear.  
**Respiratory protection:** Use only in well-ventilated areas. Avoid repeated or prolonged inhalation of vapors or spray mist which may cause cumulative effects. In case of insufficient ventilation wear suitable respiratory equipment.  
**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice . Avoid contact with skin, eyes and clothing . Wash hands before breaks and immediately after handling the product .

| Ingredient       | CAS #     | ACGIH                         | OSHA                          | Mexico                        |
|------------------|-----------|-------------------------------|-------------------------------|-------------------------------|
| Sodium hydroxide | 1310-73-2 | 2 mg/m <sup>3</sup> (Ceiling) | 2 mg/m <sup>3</sup> (CEILING) | 2 mg/m <sup>3</sup> (Ceiling) |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                 |                          |                                      |                          |
|-------------------------------------------------|--------------------------|--------------------------------------|--------------------------|
| <b>Physical State:</b>                          | Liquid                   | <b>Appearance:</b>                   | Liquid                   |
| <b>Color:</b>                                   | Straw                    | <b>Boiling point/range:</b>          | >200 (°F)>100 (°C)       |
| <b>Odor:</b>                                    | Mild                     | <b>Melting point/range:</b>          | Not determined           |
| <b>Specific gravity:</b>                        | 1.12                     | <b>pH:</b>                           | 13.2                     |
| <b>Dilution pH:</b>                             | 11.7                     | <b>Density:</b>                      | No information available |
| <b>Bulk density:</b>                            | No information available | <b>Decomposition temperature:</b>    | Not determined           |
| <b>Vapor density:</b>                           | No information available | <b>Autoignition temperature:</b>     | No information available |
| <b>Vapor pressure:</b>                          | 17.5                     | <b>Evaporation rate:</b>             | No information available |
| <b>Solubility:</b>                              | Soluble                  | <b>Solubility in other solvents:</b> | No information available |
| <b>VOC:</b>                                     | 0                        | <b>Viscosity:</b>                    | No information available |
| <b>Flash point:</b>                             | >200 (°F) >100 (°C)      |                                      |                          |
| <b>Partition coefficient (n-octanol/water):</b> | No information available |                                      |                          |

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** Hazardous polymerisation does not occur  
**Hazardous decomposition products:** None reasonably foreseeable  
**Materials to avoid:** Acids.  
**Conditions to avoid:** Stable at normal conditions.

## 11. TOXICOLOGICAL INFORMATION

|                        |                                              |
|------------------------|----------------------------------------------|
| Component Information: | See Section 3                                |
| Chronic toxicity:      | No data is available on the product itself.. |
| Specific effects       |                                              |
| Carcinogenic effects:  | None known                                   |
| Mutagenic effects:     | None known                                   |
| Reproductive toxicity: | None known                                   |
| Target organ effects:  | None known                                   |

## 12. ECOLOGICAL INFORMATION

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| Environmental Information: | Must not reach sewage water or drainage ditch undiluted or unneutralized . |
|----------------------------|----------------------------------------------------------------------------|

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products:

Undiluted product is regulated under environmental and transportation laws as a corrosive waste . Dispose of according to all federal, state and local applicable regulations .

RCRA Hazard Class: D002

## 14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

## 15. REGULATORY INFORMATION

### International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

### U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

### STATE RIGHT TO KNOW

| Ingredient                       | CAS #      | MARTK: | NJRTK: | PARTK: | RIRTK: | ILRTK: | CTRTK: |
|----------------------------------|------------|--------|--------|--------|--------|--------|--------|
| Sodium xylene sulfonate          | 1300-72-7  | -      | -      | -      | -      | -      | -      |
| Sodium hydroxide                 | 1310-73-2  | Listed | Listed | Listed | Listed | Listed | Listed |
| Dipropylene glycol n-butyl ether | 29911-28-2 | -      | -      | -      | -      | -      | -      |
| Sodium nitrite                   | 7632-00-0  | Listed | Listed | Listed | -      | Listed | Listed |
| Water                            | 7732-18-5  | -      | -      | -      | -      | -      | -      |

### CERCLA / SARA

| Ingredient       | CAS #     | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|------------------|-----------|----------|----------------------|-----------------------|-------------|
| Sodium hydroxide | 1310-73-2 | 1 - 5%   | 1000                 |                       |             |
| Sodium nitrite   | 7632-00-0 | 1 - 5%   | 100                  |                       | Listed.     |

CAA HAP/CAA ODS/CWA Priority Pollutants: None

### Canada

WHMIS hazard class: E Corrosive material .



| Ingredient     | CAS #     | NPRI   |
|----------------|-----------|--------|
| Sodium nitrite | 7632-00-0 | Listed |

## 16. OTHER INFORMATION

|                      |                |
|----------------------|----------------|
| Reason for revision: | Not applicable |
| Prepared by:         | NAPRAC         |
| Additional advice:   | None           |

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