



**SAFETY DATA SHEET
EACO CHEM, INC.**

Issue Date: 10/29/15 **Revision Date:**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: NMD 80

Recommended Use of the Mixture and Restrictions On Use:

Restricted To: For Professional Use Only

Uses Advised Against: Not Recommended for Household Use.

Details of the Supplier of the Safety Data Sheet

Manufacturers Address:

EaCo Chem, Inc.
765 Commerce Avenue
New Castle, PA 16101
724-656-1055

Emergency telephone number :

8:00 AM to 5:00 PM EST Monday-Friday 1-800-313-8505

Non-Business Hours (CHEM-TEL) 1-800-255-3924

2. HAZARDS IDENTIFICATION

2.1 Classification of Mixture

GHS Classification HCS 2012 (29 CFR 1910)

| Hazard Class | Category | Hazard Statements | Precautionary Statements |
|--|-------------|-------------------|---|
| Acute Toxicity – Oral | Category 5 | H303 | P261, P264, P271, P285, P301+P312, P301+P330+P331 |
| Skin Corrosion / Irritation | Category 1B | H314 | P264, P280, P303+P361+P353, P363, P304+P340, P312, P321 |
| Eye Damage / Irritation | Category 1 | H318 | P280, P305+P351+P338, P310 |
| Specific target organ toxicity – single exposure | Category 3 | H335 | P260, P312 |
| Corrosive to Metals | Category 1 | H290 | P234, P390, P391, P406, P501 |

2.2 Label Elements HCS 2012 (29 CFR 1910)

PICTOGRAMS



Signal Word: DANGER

Hazard Statements:

| Hazard # | Hazard Statement |
|----------|---|
| H290 | May be corrosive to metals |
| H303 | May be harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H335 | May cause respiratory irritation |

Precautionary Statements:

| Precautionary # | Precautionary Statement |
|-----------------|--|
| P202 | Do not handle until all safety precautions have been read and understood. |
| P273 | Avoid release to the environment. |
| P234 | Keep only in original packaging. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P285 | In case of inadequate ventilation wear respiratory protection. |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| 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/doctor |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P321 | Specific treatment (see First Aid Measures on Safety Data Sheet). |
| P363 | Wash contaminated clothing before reuse. |
| P390 | Absorb spillage to prevent material damage. |
| P391 | Collect spillage. |
| P406 | Store in a corrosion resistant container with a resistant inner liner. |
| P501 | Dispose of contents/container according to federal, state & local regulations. |

2.3 Hazards Not Otherwise Classified (HNOC): NONE**3. COMPOSITION/INFORMATION ON MIXTURES****Hazardous Components**

| Chemical name | CAS number | % | Trade secret |
|-------------------|--------------|---------|--------------|
| Hydrochloric Acid | 7647-01-0 | < 80.0 | * |
| Balance | Trade secret | Balance | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.
Remove contaminated clothing.

If inhaled

If breathed in, move person to fresh air. Call a physician. If not breathing, give artificial respiration.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician immediately.

If swallowed

Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician immediately.

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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

No data available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Not combustible material. Use any means suitable for extinguishing surrounding fire.

5.2 Special hazards arising from the substance or mixture:

Hydrogen chloride gas.

5.3 Advice for firefighters:

If evacuation of personnel is necessary, evacuate to an upwind area. Use protective clothing and NIOSH-approved breathing equipment appropriate for the surrounding fire. If necessary.

5.4 Further information:

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk and avoid run off to waterways and sewers.

6.2 Environmental precautions:

Do not let product enter drains, waterways and sewers.

6.3 Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and prepare for disposal.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes. Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Regulatory Requirements: No data found

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control: Provide adequate ventilation to control airborne concentration below the exposure guidelines/limits.

Administrative controls: Educate and train employees in safe use of this product. Follow all label warnings and data sheet instructions.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection: Close fitting safety goggles. Face Protection shield

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Contaminated Equipment: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Dispose of the waste in compliance with federal, state, regional and local regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance Form: liquid, pale yellow to yellow
- b) Odor: Strong Scent
- c) Odor Threshold: Not Determined.
- d) pH: <1.0
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: > 100 °C (> 212 °F) - lit.
- g) Flash point: No data available
- h) Evaporation rate: >1.0
- i) Flammability (solid, gas): Not applicable
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: 1.15 g/cm³ at 25 °C (77 °F)
- n) Water solubility: Fully Miscible
- o) Auto-ignition temperature: Product is not self igniting
- p) Decomposition temperature: No data available
- q) Viscosity: Water thin
- r) Explosive properties: Product does not present an explosion hazard
- s) Oxidizing properties: No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: High heat, strong alkali

10.5 Incompatible materials: Strong alkali and oxidizing compounds

10.6 Hazardous decomposition products: No data available

10.7 Other decomposition products: No data available

10.8 Other Information: In the event of fire: See section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information:

- Inhalation: No data available
- Ingestion: Harmful if swallowed
- Eyes: No data available
- Skin: No data available.

Germ cell mutagenicity: No data available

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available

12.2 Persistence and Degradability: No data available

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Other Adverse Ecological Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Empty Container Precautions: Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Empty decontaminated containers should be crushed to prevent reuse. Do not heat or cut empty container with electric or gas torch.

Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT UN #: 1760

Proper Shipping Name: Corrosive Liquids, N.O.S.

Hazard Class: 8,

Packing Group: II

Important Note: *Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.*

15. REGULATORY INFORMATION

This listing is to highlight federal level regulations of the product. Individual states, and other nations may have further regulations not listed below.

Classification of Mixture:

US Federal Regulations:

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical Name | CAS NO |
|-------------------|-----------|
| Hydrochloric Acid | 7647-01-0 |

SARA 311/312 Hazard Categories:

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

US State Right-to-Know Regulations:

| Chemical Name | PA | MA | NJ |
|-------------------|----|----|----|
| Hydrochloric Acid | X | X | X |

16. OTHER INFORMATION

HMIS® Hazard Ratings:

| | |
|---------------------|----|
| HEALTH | 2 |
| FIRE | 0 |
| REACTIVITY | 1 |
| PERSONAL PROTECTION | C* |

4 = EXTREME / 3 = HIGH / 2 = MODERATE / 1 = SLIGHT / 0 = INSIGNIFICANT

*C: Chemical resistant gloves, goggles and apron.

Disclaimer: The Information compiled on this safety data sheet is considered accurate and true from the most current data available. The data and information provided in this safety data sheet is measured to be extremely accurate but there will be variances in data from different sources. Eaco Chem fully disclaims liability for any injury or loss from improper use or mishandling of the product or the product data given in this sheet. The specific data and information given in this sheet is described as reliable and accurate but the data and information can become incomplete given a special circumstance or condition. The parties using this information or material will be held responsible for determining best practice

for the safe handling and use under any circumstance. The data and information for this material is for use for this specific product only and not to be combined for any other materials. It is the responsibility of the purchaser and user of this particular material to become familiar with all laws and regulations for disposal of containers, safe handling, and end results of the material for there are many laws and regulations related to each individual material

END OF SDS