



THE MASSACHUSETTS TOXICS USE REDUCTION INSTITUTE

Solvent/Cleaning Chemistry Questionnaire

University of Massachusetts Lowell
One University Avenue
Lowell, MA 01854
Telephone: (508) 934-3275
FAX: (508) 934-3050

The Toxics Use Reduction Institute maintains a vendor database of alternative cleaning chemistries and equipment. Information from this database is published and provided to companies who are searching for safer cleaning alternatives. Please provide the following for each product or product line:

1. Completed Questionnaire
2. MSDS
3. Printed literature (optional).

Return response to:

Vendor Survey
Toxics Use Reduction Institute
University of Massachusetts Lowell
One University Avenue
Lowell MA 01854

*Please duplicate this questionnaire and complete a separate copy for each product or product line you would like included in our database.

Trade Name of Product MIRACHEM 250 RUST AND SCALE REMOVER

Company Name MIRACHEM CORPORATION ☒ Manufacturer ☐ Distributor

Address P.O. BOX 27608 TERMEPE, AZ 85285

Telephone 602-966-3030 Contact Person DON LEE, VICE PRESIDENT SALES

1. Product Manufacturer OEM Where is Product manufactured _____
(if different from above) (state / country)

2. Please check the classification that most closely describes your product.

- | | |
|---|--|
| <input type="checkbox"/> Saponified aqueous | <input type="checkbox"/> Acid aqueous solutions |
| <input type="checkbox"/> Semi-aqueous | <input type="checkbox"/> Hot water/steam |
| <input type="checkbox"/> Alkaline aqueous | <input type="checkbox"/> Petroleum distillates |
| <input type="checkbox"/> Terpenes | <input checked="" type="checkbox"/> Other (please specify) <u>WATER BASE</u> |

3. Give a chemical / generic description of your product.

WATER
PHOSFORIC ACID
BUFFERS

4. Which contaminants is your product most effective in removing?

RUST, CORROSION, WATER SCALE
INORGANIC MATERIALS

5. Is there a recommended process or type of equipment associated with this product?
If so please describe it.

SPRAY OR DIP

6. Is there a separation process associated with maintaining this cleaning solution? Please describe.

HEAVY METALS GO TO BOTTOM OF TANK

7. What concentration of cleaning solution is typically used?

NEET TO 1:1 TO 10:1

8. Is your product designed to be recycled? If so, how is it recycled?

YES

ULTRA FILTRATION

CLARIFIER

9. What is the typical cost of your cleaner?

\$15.00 PER GALLON

10. Are there any constituents in your cleaner which are listed under SARA 313 or CERCLA?
Please include an MSDS and any other information that would assist potential customers in evaluating the applicability of your product to their needs (e.g. a typical process flow diagram, waste stream constituents, special handling equipment).

NO

11. Would you be interested in loaning equipment for testing purposes in TURI's Surface Cleaning laboratory? If yes, please contact Carole LeBlanc (508-934-3249) or Jay Jankauskas (508-934-3133).