



INNOVATION TO MAKE IT FIRST, QUALITY TO MAKE IT LAST.

# Section 6: Chemical Resistance Table Service Condition Information Form

Revised 5/26/2009

### \*\*\*\*\* SERVICE CONDITION INFORMATION REQUIRED \*\*\*\*\*

In order to better assist you in solving corrosion/abrasion problems, a complete knowledge of all factors involved is necessary. Recommendations can only be based on the information at hand today. With the complex inorganic/organic service becoming more common, the importance of complete information is paramount to reliable recommendations. Please be assured that all information will be held in strict confidence.

COMPANY: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

DATE: \_\_\_\_\_  
PHONE NO: \_\_\_\_\_  
FAX NO: \_\_\_\_\_

### SERVICE CONDITION INFORMATION REQUIRED

- 1) Process or Operation: \_\_\_\_\_  
\_\_\_\_\_
- 2) Equipment Involved: \_\_\_\_\_  
\_\_\_\_\_
- 3) What chemicals are present and what are their concentration? (Also include any impurities and materials present even though in traces only) \_\_\_\_\_  
\_\_\_\_\_
  - a) What inorganic acids, salts, etc., are present? \_\_\_\_\_  
\_\_\_\_\_
  - b) What organic solvents such as oils and/or chemicals are present? \_\_\_\_\_  
\_\_\_\_\_
- 4) Temperature: Minimum \_\_\_\_\_ Maximum \_\_\_\_\_ Operation \_\_\_\_\_
- 5) Are there any abrasive materials present and if so what is: \_\_\_\_\_
  - a) Nature of abrasive material \_\_\_\_\_  
\_\_\_\_\_
  - b) Percent of solids \_\_\_\_\_
  - c) Degree of abrasion (What is present service life of equipment?) \_\_\_\_\_  
\_\_\_\_\_
  - d) Approximate flow velocity \_\_\_\_\_
  - e) Agitation details \_\_\_\_\_
  - f) Size of particles \_\_\_\_\_
- 6) Operation Pressure (psi) \_\_\_\_\_ or Vacuum (inches of Mercury) \_\_\_\_\_
- 7) Is slight contamination or discoloration of solution objectionable? \_\_\_\_\_
- 8) Is equipment a welded fabrication or casting? (if alloy, advise type) \_\_\_\_\_
- 9) Has this type equipment been rubber lined before? If so, advise of lining and service life obtained: \_\_\_\_\_
  - a) Gauge \_\_\_\_\_ Hardness (Shore A) \_\_\_\_\_ Natural or Synthetic \_\_\_\_\_
  - b) Compound or Spec. No. \_\_\_\_\_
  - c) Manufacturer of lining \_\_\_\_\_
- 10) Have there been rubber failures in this service? \_\_\_\_\_
  - a) In the Liquid or Vapor phase? \_\_\_\_\_
  - b) Hardening or Swelling failures? \_\_\_\_\_
  - c) Caused by abrasion? \_\_\_\_\_

Submitted by: \_\_\_\_\_