

T.C. 901 Maintenance Cleaner

PRIMARY APPLICATION

T.C. 901 not only does the toughest cleaning jobs in the transportation industry but also it solves one of its toughest problems – disposing of spent material. The liquid alkaline detergent is specially formulated for easy removal of spent solutions. A built-in feature simplifies effluent treatment, reduces disposal costs by promoting easy separation of oil and grease from spent solutions. The material is biodegradable and phosphate-free.

CHEMICAL CHARACTERISTICS

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| Chemical compositions | Blend of chelates, alkalis, surfactants, And water miscible solvent |
| Physical form | As received: Light brown liquid As used: Yellow brown solution |
| Odor | Solvent (sweet) |
| Specific gravity | 1.055 at 68°F (20°C), ASTM 1298 |
| Bulk density | 8.8 lbs./gal. (1056 g/l) |
| Viscosity | 4.5 cps, Brookfield Spindle 1, 60 rpm |
| Flash point | None |
| Foaming tendency | Moderate |
| Recommended diluent | Water |
| Maximum solubility | Complete |
| Behavior in hard water | Sequesters |
| Rinsability | Excellent |
| Biodegradable | Yes |
| Phosphate-free | Yes |
| Normal working concentrations | 5 to 50% by volume (see Application Procedure) |
| Normal working temperatures | 120° to 150°F (49° to 66°C) |
| pH at working concentrations | 12.1 at 5% by volume |
| Effect of working solutions on metals | Rate of metal loss from immersion in T.C. 901, 5% by volume of water, 120°F (49°C) for 24 hours, is as follows: |

| <u>Metal (alloy)</u> | <u>Inches per year</u> | <u>Millimeters per year</u> |
|------------------------------|------------------------|-----------------------------|
| Steel (1010) | .001 | .03 |
| Stainless steel (304) | .001 | .03 |
| Stainless steel (400 series) | .001 | .03 |
| Aluminum (3003) | .002 | .05 |
| Zinc | .005 | .13 |
| Galvanized steel | .001 | .03 |
| Copper | .002 | .05 |
| Brass | .003 | .08 |
| Magnesium | .007 | .18 |

NOTES ON USE

Safety and Handling Precautions: T.C. 901 is a highly alkaline industrial material. Direct contact may cause burns of eyes and skin. It is harmful if swallowed. Avoid contact with eyes, skin and clothing. Wear protective gloves, safety goggles and protective clothing when handling. Wash thoroughly after handling. Do not take internally.

First Aid in Case of Contact: Immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, seek medical attention. Remove contaminated clothing and shoes. Wash them before reuse. If swallowed, wash out mouth thoroughly with water. Give several glasses of water or milk to drink. Follow with diluted vinegar, lemon juice or other citrus fruit juice. Contact a physician. **KEEP OUT OF REACH OF CHILDREN.**

DISPOSAL

Dispose in accordance with Federal, state and local regulations. Oils may be split out either (1) by acidifying with a material such as T.C. to a pH of 4.5 while agitating; or (2) by heating effluent solutions to 140°F (60°C) or above. Allow to separate, skim off oils and haul away. Neutralize, dilute and discharge remaining solution.

PACKAGING

Packaged in large, non-returnable steel drums of 55 gallons.

SHIPMENT

May be shipped by any common carrier. Freight classification is "Cleaning Compound, NOIBN – Liquid."

STORAGE

Suitable for general indoor storage – preferably in a cool area. Keep container closed when not in use.

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| Effect of high temperature storage | None |
| Effect of low temperature storage | Freezes below 15° F (-9.4°C); restores on thawing |
| Effect of aging | None |