

Precision Dynamics, Inc.
P.O Box 1595
Burleson, Texas, USA, 76097
USA Toll Free Telephone: 800 388-5818
International Telephone: 817 447-9898
USA Fax: 817 447-1126
Web site: <http://www.dynamicdescaler.com>

DYNAMIC DESCALER SPECIFICATIONS

1. *DYNAMIC DESCALER* is a technology, safe to use, cleaner and degreaser formulated to rapidly clean mineral scale from water passages in water cooled or heated equipment. Solution is fortified with powerful, low foaming, wetting and penetrating agents, safe degreasing solvents and superior corrosion inhibitors to prevent corrosion of the steel, brass or copper surfaces being cleaned.
2. The solution is safe to use and non-injurious to personnel when used as directed. Does NOT contain toxic cresols or other tar oil that may require spill loss or disposal reporting.
3. The solution is safe to use on steel, iron, brass, copper, plastic, rubber, and other materials found in most water cooled, heated, or operated equipment.
4. Do not use concentrate on stainless steel or aluminum or aluminum heat exchange surfaces. These metals will oxidize and possibly discolor. Use material diluted on these surfaces.
5. The solution is of pleasant odor (cherry) and does not exude any obnoxious or unpleasant vapors when dissolving water scale, lime and rust deposits.
6. The solution has the ability to dissolve approximately three pound (1.5 kilograms) of calcium carbonate scale per US gallon at ambient temperature in concentrated form.
7. The solution has a specific gravity of 1.06.
8. The solution has a vaporization temperature of 108 degrees C.
9. The solution does NOT have an open or closed cup flash point.
10. *DYNAMIC DESCALER* is an electrolyte, as are most cleaning agents, and will transfer small electrical currents. This may cause plating in some types of equipment. This means a transfer of small amounts of one metal onto another metal. In some instances, a thin coating of copper may be plated onto a steel drum while circulating an electrolyte such as *DYNAMIC DESCALER*. The only time plating occurs is when two different metals are in an electrolytic solution.
11. Some alloys of stainless steel are known to discolor and react galvanic ally in concentrated solutions. To minimize, simply use a diluted solution of *DYNAMIC DESCALER*
12. The solution does not corrode, erode, attack, pit, oxidize, nor have deleterious affects on metals or materials such as copper, chrome, fiber, steel, leather, rubber, iron, or lead or other materials or metals found in boilers, pipes, valves, pumps, strainers, radiators, convectors, unit heaters, heat exchangers, engines, evaporators, turbines, condensers and/or other water heated, water cooled, or water operated equipment when used as directed.
13. The solution has the ability to dissolve deposits from some equipment while in operation and without shutdown, if auxiliary coolers are incorporated.
14. The solution is used at room temperature with full results obtainable. Heating is not required.
15. It is recommended to dilute the solution 50% or more when cleaning chrome to avoid possible discoloration on some chrome materials.
16. The solution does not develop a substantial increase in temperature while dissolving water scale, lime, and rust deposits.

17. *DYNAMIC DESCALER* is pre-mixed in total solution, so does not require any pre-mixing prior use.
18. The solution is not recommended for use above 82 degrees C.
19. The solution does not deteriorate, oxidize, saponify, thicken or lose effectiveness for at least five years if kept in original containers and sealed.
20. The solution normally does not require neutralizers as it is free rinsing with water and self-neutralizing when used. Dissolved water scale residues are normally sewer with lots of water. Check with local sewer authority for proper disposal of the non-toxic, mildly acidic waster and if additional neutralization action is required. This cleaner is mildly acidic after use and contains only nontoxic salts after being used to remove potable water scales residues. If you are using city or potable water only, the spent solution can be sewer. If you are using corrosion inhibitors in your cooling system, check the material safety data sheet of your local water treatment chemicals for proper disposal instructions.
21. The foregoing specifications are applicable to out product *DYNAMIC DESCALER* when used accordingly to instruction available upon request and in NO WAY are intended to cover other uses or applications by the purchaser or user.
22. Do not circulate the material for more than four hour period without consulting the manufacturer. Most cleaning can be accomplished in an average of two hours. Please use material only as directed.
23. The solution is biodegradable and test reports can be supplied upon request for BOD Reading, corrosive, and scale removal. Comparative test reports against other descaler are also available upon request or go to our web page WWW.DYNAMIC-DESCALER.COM
24. The Dynamic can be shipped in 5 gallon pails, 55 gallon drums, and 330 gallon tote containers.
25. This product is a cleaning compound for water side of equipment. Tariff number 3402.90.5030.

1-800-388-5818