



H2-D2

high dilution, heavy duty concentrate

H2-D2 is a highly dilutable, heavy-duty industrial strength cleaner degreaser formulated to provide users fast initial penetration and quick removal of the most detergent-resistant industrial soils.



Providing Quality Maintenance and Chemical Specialty Solutions with Unparalleled Customer Service



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HIGH HEAT STABILITY

Many industrial detergents tend to separate or "kick out" at high water temperatures causing a marked decrease in cleaning and degreasing efficiency. To insure that separation will not occur, nonionic and anionic wetting agents were carefully selected and incorporated into the H2-D2 formulation. Subsequent field testing of the product in high temperature dip tanks proved H2-D2 to be stable at temperatures up to and exceeding 180 degrees F. Users will experience superior cleaning and degreasing performance whenever H2-D2 is used in conjunction with heat; i.e., hot dip tank applications, with steam cleaning devices, or pressure washers.

SUPERIOR CLEANER/DEGREASER

High concentrations of solvent, surfactants, and alkaline builders are incorporated into H2-D2 to provide aggressive initial penetration of industrial greases, oils, and soils commonly found in industrial maintenance and production areas.

CORROSION INHIBITOR

H2-D2's rust preventatives form a clear protective, corrosion inhibiting coating on cleaned, unrinsed ferrous metal parts. This feature is of paramount importance; for example, in the cleaning of steel stampings when "lag time" may occur between the actual cleaning of parts and further processing. In other words, if the plating process is delayed, H2-D2 is an excellent cleaner/degreaser for use in the first detergent or soap tank, for left unrinsed, users will circumvent the problems of "flash rusting". It is important to emphasize that whenever the corrosion inhibiting feature of H2-D2 is desired, the product should not be rinsed.

SAFE

H2-D2 is nonflammable and does not contain toxic chlorinated solvents or abrasives.

HIGHLY DILUTABLE

The careful selection and blend of H2-D2's high active ingredient content (27.5%) provides both the Industrial Production and Maintenance Chemical user cost saving in-use dilutions up to 1:60. H2-D2 is not subject to the rapid evaporation rate of pure solvents and, consequently, users will experience extended cleaning and degreasing performance. H2-D2, in many cases, may be an acceptable substitute for more costly solvents.

DIRECTIONS FOR USE:

H2-D2 may be diluted with hot or cold water and used for many different cleaning operations.

Automatic Scrubber: When using an automatic scrubber for cleaning greasy cement floors, add 8 oz. of H2-D2 per gallon of hot water. Apply with scrubber with the scrub feed open—do not pick up on the first pass. Do not double scrub. Turn on vacuum and pick up solution on the second pass.

When sealing concrete floors with Spartan's Concrete Seal, it is important to flood rinse the floor after scrubbing. This can be done by applying clean rinse water with a mop or the use of an automatic floor machine. When using an automatic scrubber, fill the machine tank with clean water and lay the rinse water down while machine brushes are flat on the floor scrubbing. Turn on the vac motor and pick up the rinse water immediately.

After the floor has been sealed, a dilution of 2 oz. H2-D2 per gallon of water will be sufficient for cleaning.

Steam Cleaning Equipment: Mix one part H2-D2 to 30-40 parts hot water.

Light Duty Cleaning: Mix one part H2-D2 to 60 parts water.

High Temperature Dip Tank Cleaning: H2-D2 in many cases can replace solvent dip tank cleaning—improving safety and economy. Mix 1 part H2-D2 to 5 parts (up to 30 parts) of water depending upon the amount of soil to be removed. Soak or agitate in solution, remove, and rinse with clear water. (There are some cases where rinsing will not be desired or needed.)

Rust Prevention: H2-D2 will do an effective job in preventing rust on ferrous metals up to a 1:15 solution. If you are using H2-D2 in a dip tank at 1:15 or less, remove and do not rinse. Adequate protection will be provided. In other cases, it may be used to spray on metal up to a 1:15 solution to prevent corrosion.

CAUTION: This corrosion protection can be removed by additional cleaning processes later or will be washed away by rainwater or extremely high humid conditions when stored outside.

Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting www.spartanchemical.com.

SPECIFICATION DATA:

pH (concentrate)- 13.7 – 13.9
Solvents – butoxyethanol

Storage Stability:

- Shelf @ 24°C / 75°F – 1 year minimum
- Accelerated @ 49°C / 120°F – 60 days minimum
- Freeze/thaw cycle – freezes and thaws with complete clarity

Biodegradable

PACKAGING

248560	275-gallon tote
248555	55-gallon drums
248530	30-gallon drums
248515	15-gallon drums
248505	5-gallon pails



Label copy is available in both English and Spanish.

GUARANTEE: Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture.

For institutional and industrial use only.

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