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ChemWorld Strip Safe

Concentrated Alkaline Immersion Paint Stripper for Aluminum and Ferrous Metals

ChemWorld Strip Safe is an alkaline liquid multi-metal safe heavy duty cleaner and paint stripper for removing very heavy deposits of carbon, greases, paint, oils, waxes, and other soils from aluminum, steel, tin-plate, aluminized steel, and other ferrous and non-ferrous metals. ChemWorld Strip Safe is excellent on heavy baked on carbon deposits and paints typically found in food and transportation re-manufacturing facilities. ChemWorld Strip Safe reduces the reliance on Hazardous Air Pollutants found in most carbon removal operations. ChemWorld Strip Safe runs at a more moderate pH compared to most carbon penetrants, and is formulated to dissolve and 'lift' the paints and soils from the metal substrate. ChemWorld Strip Safe can dramatically the time, labor, and expensive typically associated in plastic bead blast operations removing tenacious paint and carbon. ChemWorld Strip Safe is formulated to QUICKLY remove urethanes, epoxy, powder coating, and most other difficult-to-remove coating systems.

PROPERTIES:

Appearance	Clear amber liquid
Odor	Characteristic, mild solvent
pH (100%) mixed with water.	Product does not contain water, but would be caustic if
HMIS Rating:	3,1,0

APPLICATION:

ChemWorld Strip Safe is used full strength, heated to 150°, ± 30°F. The parts are immersed for as long as necessary, usually 10 to 60-minutes. However, stripping time will depend upon the type and thickness of paint to be removed. Agitation enhances and speeds up the stripping ability of ChemWorld Strip Safe. (Refer to operating information if ChemWorld Strip Safe is used with an oil seal: ChemWorld ADD 1284).

After stripping, the parts should be thoroughly rinsed with water. High pressure rinsing with hot water is preferred.

CAUTION: IF PROCESSING ALUMINUM PARTS, DO NOT ALLOW WATER TO BE INTRODUCED TO THE STRIP TANK. Water will tend to promote an alkaline etch to substrates. Tanks, heating coils, and baskets can be constructed of mild steel, by 306 ELC, or stainless steel to provide longer equipment life.

OPERATING INFORMATION:

- ChemWorld Strip Safe is an alkaline material with a pH of >13.5.
- If necessary, pre-clean and rinse the parts prior to stripping in ChemWorld Strip Safe. Typically pre-cleaning is not necessary but will prolong tank life.
- Do not carry over water into the ChemWorld Strip Safe since it will reduce bath life and interfere with the stripping ability of ChemWorld Strip Safe.
- Using an oil seal with ChemWorld Strip Safe is recommended. ChemWorld ADD 1284 floats on top of the ChemWorld Strip Safe and reduces fuming; creating better working conditions, and retards evaporation of the solution. Add enough ChemWorld ADD 1284 to provide a 2 to 6 inch seal layer.
- If ChemWorld ADD 1284 is used, the parts should be completely immersed below the seal layer and several inches above the bottom of the tank. Also, agitation (if used) should not disturb the seal layer and thereby reduce the seal's effectiveness.

INITIAL CHARGE:

- Before charging the holding tank with ChemWorld Strip Safe, make sure it is clean and free of debris, paint skins, and sludge.
- Predetermine the size of the tank and how much ChemWorld Strip Safe is needed. Slowly and carefully add the ChemWorld Strip Safe. Allow the solution to settle. If using ChemWorld ADD 1284, add enough to create a 2 to 6 inch seal layer. Heat the solution to 150°, ± 30°F as recommended by your Chemworld Representative.

MAINTENANCE:

ChemWorld Strip Safe consists of a solvent component and an alkaline component.

- Solvent Portion: The solvent portion is maintained by simply adding more ChemWorld Strip Safe based upon production experience, carryout, and evaporation rate.
- Alkaline Portion: Titrate daily or weekly based on usage. The alkaline portion is increased by carefully adding ChemWorld ADD nMP as required.
- Seal Layer: Add enough ChemWorld ADD 1284 to maintain a seal layer of 2 to 6-inches.
- Removal of paint solids and paint skins on an on-going basis will prolong tank life.

STORAGE:

Keep container closed and store in doors between temperatures of 40°F – 100°F. If drum should freeze, allow it to thaw at room temperature and carefully stir before use.

PRECAUTIONS:

Corrosive! Causes severe burns on contact. Mists and vapors are irritating to the eyes, respiratory system and skin. Reacts with some metals to liberate hydrogen gas which can form explosive mixtures with air. Read the entire SDS for a more thorough evaluation of the hazards. ChemWorld Strip Safe has a flash point of >200°F.

PACKAGE:

Bulk, 330-gallon tote, 275-gallon tote, 55-gallon drum, 30-gallon keg, 15-gallon keg, and 5-gallon pail.