

VICTORY POLYCHEM PVT LTD

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PRODUCT DATA SHEET

1.IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

NAME OF THE PRODUCT	POLY SCALE DS 85 HEAVY DUTY LIQUID DESCALANT FOR HARD WATER SCALE DEPOSITS WITH HIGH SILICON CONTENT
PRODUCT DESCRIPTION	<ul style="list-style-type: none"> It is designed to remove mineral scales and metal oxide (rust) deposits and especially hard silica scale deposits in water system. Typical tasks are descaling of condenser, evaporator, heat exchangers, evaporative condensers, boilers, geysers, sola heaters, blow molding machines, gear box, steel parts cleaning, vacuum pump decalcifying etc. POLY SCALE DS 85 is inhibited to protect cleaned surfaces from acidic attack. It can be used on most common metals such as MS, SS, Copper, cast Iron, copper alloys such as Cu-Ni except zinc and galvanized surface.
KEY FEATURES & BENEFITS	<ul style="list-style-type: none"> Excellent cleaning efficacy. Excellent for removing of silicates. Inbuilt corrosion inhibitor. Contain special wetting agent for scale penetration. Defoaming property. POLY SCALE DS 85 is a blend of acids with inhibitors. It has an acidic pH.
APPLICATIONS	<ul style="list-style-type: none"> POLY SCALE DS 85 is used in various applications and at different concentration ratio depending upon the amount and type of deposit and system parameters. Normally for a system with hard scale deposits a 20% v/v solution is recommended. Preferably this solution should be made with pre-heated water at 70-80°C. The total volume of solution should be about 1.2 times of water holding capacity of equipment to be descaled. Recirculate the solution for about 6 hours using a acid compatible pump. After descaling it is necessary to passivity system with 2% solution of POLY SCALE PS 20 into the last rinse and return to normal service. IMPORTANT: -1) For extremely rock hard and thick scaling it is recommended to soften the scale prior to descaling by recirculating and soaking 5-10% solution of POLY SCALE SS 22 for 2-3 hours followed with rinsing with plain water before dosing descalant. After dosing chemical never heat solution by firing burners.
TECHNICAL DATA	<ul style="list-style-type: none"> Appearance :- Clear Pale yellow to Orange Liquid Odor :- Pungent smell Specific Gravity @25°C:- 1.1(+/-0.1) pH of solution [IS: 4955 –1978] :- 2.0(+/-1) Solubility in water :- Water Soluble Flash point :- N/A

INHIBITION EFFICIENCY ON METAL LOSS	20% Solution @ 80°C for 12 Hours causes the following metal loss. <ul style="list-style-type: none">• Mild steel :- 7.0 mg/cm²• Copper :- 0.71 mg/cm²• SS 316 :- 0.05 mg/cm²• Brass:- 6.0 mg/cm² 10% Solution @ 80°C for 12 Hours causes the following metal loss. <ul style="list-style-type: none">• Mild steel :- 5.0 mg/cm²• Copper :- 0.50 mg/cm²• SS 316 :- 0.025 mg/cm²• Brass:- 5.0 mg/cm²
PACKING & STORAGE	<ul style="list-style-type: none">• 35 kg/50kg PLASTIC CAN. & Store in a cool, dry, well-ventilated place. Use properly labeled and closable containers. Avoid direct sunlight, heat sources, flame and strong oxidizing agents.

SAFETY INFORMATION: - Although this product does not pose a significant hazard to health a good standard of hygiene And housekeeping should be protected when using all type of industrial safety materials. Refer MSDS of the product.