Sanchem Inc

NO-OX-ID A-SPECIAL Heavy Duty Rust Preventive & Lubricant USDA, NSF-61 & RoHS Compliant coating

NO-OX-ID IS THE ORIGINAL RUST PREVENTIVE COATING. This anti corrosion coating requires minimal surface preparation and is the long-term solution for lubrication and corrosion control. NO-OX-ID A-Special is used as an anti condensation coating on structural steel, in acid pickling areas, brine tanks, inside water tanks, steel cables, bridges and cofferdams. Use this cosmoline type corrosion resistant coating whenever the use of heavy duty rust preventives and anti condensation coatings are required.

Phone 312-733-6100



DESCRIPTION - NO-OX-ID "A Special " is a general heavy-duty rust preventive to be used wherever cold applied coating is required to guarantee maximum protection of metal from weathering, water, or any corrosive atmosphere.

NO-OX-ID " A Special " is a an economical, effective, soft grease type rust preventive, which contains metal wetting agents and selected rust inhibitors blended in a petrolatum wax base. This product also contains a solvent for ease of application.

With NO-OX-ID "A Special " you can leave a coating of various thickness thin to thick depending upon the level of protection desired. The coating is semi-transparent, non-drying film and retains its properties indefinitely.

NO-OX-ID "A Special "is used extensively for maintenance purposes. Whether the corrosion problem involves nuts and bolts, structural steel, steel water tanks, equipment in service or storage, patterns, dies, or jigs, NO-OX-ID "A Special " will provide complete protection with one coating.

NO-OX-ID "A SPECIAL"









"A Special" may be applied off

¹⁴ A Special¹⁰ may be supplied reflectively a dual or sprary engineering for controls pays or large set that may be difficult to result. Any or so and a contrast of the program of the sprary method of control and in the response of the sprary method on the sprary of the original DOCKID. A Special¹⁰ well are least or method sprary of the sprary next sprary of the sprary O-OX-ID's SPERY, 100, 201, 409

nore concerning questific NO-OX-ID consistencies to meet antative will staff upon request.







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for MAINTENANCE of STEEL STRUCTURES in the RAILROAD INDUSTRY...





Many scale superintendents are using NO-OX-ID Gloss Filler Bed as a rust proofing prime cost prior to application of paint.

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EXPANSION REARINGS are best maintained with NO-OX-ID. The vehicle in NO-OX-ID being a petroleum product, the dual services of rust preventions and lubriration are obtained through its use.

leasing these bearings to retain NO-OX-ID, and making sub ble exclosure to variade water and dirt, will give permanen retection and habrication.

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THE STRUCTURE pictured above is subjected to accelerated correlation from locomotive gases.

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Where can you use the original multipurpose heavy duty rust preventive?

GENERAL USES

- 1. Acid pickling rooms
- 2. Tanks: Brine, ammonia, caustic, chemical storage, filter, settling tanks, septic tanks, and water tanks.
- 3. Agitators
- 4. Bearings
- 5. Bolts
- 6. Bushings
- 7. Threads pipe drill, bolts, screws, galvanized pipe thread.

GENERAL METAL WORKING

- 1. Gears
- 2. Jigs
- 3. Machined parts & spare parts in storage.
- 4. Metal Stampings
- 5. Molds
- 6. Sheet metal
- 7. Steel Bars
- 8. Steel Coils
- 9. Structural Steel
- 10. valves
- 11. Meters
- 12. Nut, bolts and flanges

AIRCRAFT CONSTRUCTION

- 1. Bolts, bearings, nuts and fittings.
- 2. Control cables.
- 3. Machine gun mounts.
- 4. Lubrication and protection of retractable landing gears.
- 5. Inside pontoons.
- 6. Rods, struts, hallow tubing and turnbuckles.
- 7. Battery Terminals
- 8. Battery Holders
- 9. Tire Rims
- 10. Springs

AUTOMOBILE INDUSTRY

- 1. Battery, containers, holders and terminals
- 2. Bolts, nuts and threaded parts.
- 3. Exports and domestic shipment.
- 4. Springs- as a lubricant as well as a rust preventative.
- 5. Engines in shipment & storage
- 6. Tire rims
- 7. Gears

BREWERIES-TANNERIES-GLUE PLANT

- 1. Structural steel in acid
- 2. Inside septic tanks.

- 3. Steel overhead doors.
- 4. Finished surfaces on presses.

ELECTRIC TRANSMISSION

- 1. Bus bars, contact points, switchblades and ect.. .
- 2. Transformers .
- 3. Steel conduit.
- 4. High line towers, brackets and insulators.

ENGINES

1. Threads of aid hose couplers.

2. All bright parts, such as side rods, piston rods and the inside of cylinders for protection in transit of new locomotives and those going to the shop.

- 3. All bright parts for rod engines.
- 4. Crank pins and bearings after boring.
- 5. Cylinder bushings after boring.
- 6. Frame jaw faces.
- 7. Spring hanger pins.
- 8. All pipe threads.
- 9. Shoes and wedges.
- 10. Locomotives in storage.

FARM EQUIPMENT

- 1. Tractors and pulleys.
- 2. Laid-up machinery.
- 3. Iron gates, fences & Posts

GAS INDUSTRY

- 1. Purifying boxes.
- 2. Coke and coal handling equipment.
- 3. Coke quenching cars. \setminus
- 4. Condenser cooling coils.
- 5. Inside air and water tanks.
- 6. Nuts, bolts, and flanges at time of installation.
- 7. Pipe and tubing in storage.
- 8. Valve stems.

OIL INDUSTRY

1. Metal equipment subjected to salt, acid or other corrosion.

- 2. Inside steel structures in general.
- 3. Nuts, bolts and flanges before installation (for

greater ease of assembly and removal during repairs).

- 4 Inside of condenser boxes.
- 5. Condenser coils

6. Acid tanks, acid blow cases and acid lines.

7. Inside of water tanks (imparts no taste or odor to water). For potable water use "WW" grade.

8. inside top of tanks, except gasoline, benzene and naphtha storage.

9. inside top of agitators.

10...Bottom and on first ring of crude fuel and heavy oil tanks.

- 11. Top of water tanks.
- 12. Stored pressure still tubes.
- 13. Threads of tank car safety valves.
- 14. Threads of outlet neck caps on tank cars.
- 15. Thread of fittings in storage

16. Stored casing or casing ready to run. It is not necessary to remove NO-OX-ID from casing threads when it is running.

- 17. Tubing threads in storage.
- 18. All crown blocks.
- 19. Outside break bans on bull wheels.
- 20. Temper screws instead of grease.
- 21. Threads of casing head controls.
- 22. Casing heads of gas wells
- 23. Stored rod lines.

24. Stored gun barrels, tanks and metal surfaces in contact with salt water, particularly pumping jack.

- 25. Balls and seats of stored working barrels.
- 26. Christmas tree on flowing oils wells

27. Lead of vacuum lines of pumping wells (or NO-OX-ID "GG2")

28. Steel derricks (or NO-OX-ID "GG2" or any NO-OX-ID fillers.).

29. Oil tank protection, will mitigate rust or pitting that had started.

30. Casings.

MARINE SERVICE

1. Tanks-ballast, side and wing.

2. Portable or drinking water and any other tanks for water storage.

- 3. Cofferdams.
- 4. Coal bunkers.
- 5. Tank top under wooden ceiling.
- 6. Steel where covered with wood.
- 7. Screws on boat davits.
- 8. Turnbuckles on rigging.

9. Machinery-engines and turbines laid-up, spare parts, tools and equipment, threaded joints.

- 10. Ventilator coamings under ventilator.
- 11. Refrigerator coils.
- 12. Inside brine tanks.

MECHANICAL DEPARTMENT

- 1. Threads of air hose couplers.
- 2. Buffer plates.
- 3. Car wheel journals
- 4. Electric conduit.

- 5. Machined parts.
- 6. Stoker parts.
- 7. Outside bottom surface of tanks, also boards upon
- which tanks rest.
- 8. Inside tender tanks.
- 9. Tender coal space
- 10. Top of tender under frame.
- 11. Train lines

PACKING PLANTS

- 1. Condenser coil
- 2. Steam coils
- 3. Brine tanks, inside
- 4. Brine coils
- 5. Ice cans
- 6. Hoists
- 7. Pans
- 8. Fire doors
- 9. Spray towers
- 10. Tracks and hooks
- 11. All piping to condenser.
- 12. Pre-coolers
- 13. Truck springs
- 14. Sprinkler systems
- 15. Structural steel
- 16. Valves and fitting
- 17. Conveyors
- 18. Refrigeration equipment

PAPER MILLS

- 1. Protection of rolls and driers in shipment and storage.
- 2. Tanks of all kinds
- 3. Overhead structural steel, in
- 4. Sprinkler system
- 5. Piping
- 6. Digesters-beater tanks.

RAILROAD SERVICE

- 1. Crank pin and bearings after turning.
- 2. Oil-electric and gas-electric Locomotives, both new and used going through the shop.
- 3. All bright parts
- 4. All inaccessible pins.
- 5. Springs hanger pins.
- 6. Threads of air hose couplers.

SHIPYARD PROTECTION

- 1. Pipe above and below ground
- 2. Steel Pilings
- 3. Dry Docks
- 4. Graving Dock
- 5. Surface Framing for barge lifts
- 6. Structural Steel

- 7. Cranes
- 8. Bridges all surfaces except walkways
- 9. Marine Docks

TELEGRAPH, SIGNAL AND ELECTRIFICATION

- 1. Threads of turnbuckles on guy rods of electrification masts.
- 2. Air Lines
- 3. Boot Jacking Connections
- 4. Junction Boxes
- 5. Messenger Wires & Cables
- 6. Pipe Carriers
- 7. Rail Bonds
- 8. Insulated rail Joints
- 9. Switch and circuit control rods

WATER INDUSTRY

- 1. Steel settling tanks and baffles
- 2. Coarse and fine screen.
- 3. Saturated packing glands, to prevent rusting of stems
- 4. Condensed cooling coils.
- 5. Inside ammonia tanks
- 6. Metal Parts of clarifiers and flocculators.
- 7. Cranes, hoppers and ash conveyers
- 8. Coal handling equipment
- 9. Nuts, bolts, and flanges during assembly for ease of removal through protection.
- 10. Paper machine and bester rooms.
- 11. Piping
- 12. Strainers.
- 13. Metal work of filtration systems
- 14. Inside and underside of roofs of steel storage tanks. (for potable water, us "WW")
- 15. Sludge digestion and removal equipment
- 33.

- 16. Machinery in shipment and Storage
- 17. Mixing and aeration equipment.
- 18. Stand pipes and tank bottoms

ELECTRICAL INDUSTRY

- 1. Aerial Cable
- 2. Aluminum Cable
- 3. Anchor Rods
- 4. Battery Holders
- 5. Battery Terminals
- 6. Battery Posts
- 7. Boot Jack contacts
- 8. Bolted Connections
- 9. Brackets
- 10. Bus Bar Systems
- 11. Cables & Clamps
- 12. Connectors
- 13. Contact Points
- 14. Electrical Conduit
- 15. Guy Wires
- 16. High Line Towers
- 17. Insulators
- 18. Junction Boxes
- 19. Manhole Hardware
- 20. Nuts & Bolts
- 21. Steel Conduits
- 22. Steel Fittings
- 23. Steel Poles
- 24. Switchgear
- 25. Temper Screws
- 26. Threaded Connections
- 27. Transformer Bases
- 28. Turnbuckles
- 29. Wires
- 30. Circuit Breaker
- 31. Switches
- 32. Drawout Breakers



NO-OX-ID "A SPECIAL"

APPLICATION - NO-OX-ID " A Special " is cold applied as it comes from the container using a stubby brush, swab, or glove. NO-OX-ID should be rubbed onto the surface thoroughly to absorb any moisture present and to insure contact over all irregularities present. A thicker film should be applied to areas exposed to severe corrosive influences.

NO-OX-ID "A Special " can be sprayed in positive displacement heavy material pumps having an 8 to 1 piston ration such as Graco, Alemite, or Lincoln, after warming NO-OX-ID " A Special " to 90° F. This temperature is well beneath the flash point of NO-OX-ID "A Special".

PREPARATION OF SURFACE - NO-OX-ID "A Special " will penetrate old rust, scale and paint films to bare metal, arresting further corrosion and pitting. This penetrating action requires touching up later as rust scale is softened and drops off. For best results the following cleaning procedures are recommended:

- 1. Clean rags where only wiping or dusting is necessary or rags soaked in kerosene for light dirt removal on production parts.
- 2. Solvent immersion for dipping production parts for the removal of light film contaminants.
- 3. Wire or power brush where rust deposits or loose paint films must be removed by abrasive action over large areas.
- 4. Sand-, shot-, or grit-blasting on heavy rust deposits and scale firmly attached over large areas.
- 5. Flame cleaning, an alternative method for the removal of heavy rust or mill scale over large areas.
- 6. Steam cleaning, where thick grease, tarry, or other organic deposits are present.
- 7. Air Pressure Scraper In cases of major structures, the user may desire to employ air cleaning with a simple scraper.

<u>CLEAN UP OR REMOVAL</u> - On production parts and equipment in storage, the coating can be removed by clean rags or swabs soaked in petroleum solvents, such as gasoline, kerosene, naphtha or vapor degreasers, alkaline wash, or solvent immersion methods can be used.

PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (COC) ASTM D-92	250 F min
Congealing Point ASTM D-938	125-160
Penetration ASTM D-937	140-195
Phenols	1 ppm max
Total Heavy Metals	1 ppm max
Salt Spray 20 mils	10+ years

TABLE FOR CALCULATION COVERAGE.

FILM THICKNESS

APPROX. SQ. FT COVERAGE COVERAGE - PER GALLON

1/64" (.016")	100 sq. ft.
1/48" (.023")	75 sq. ft.
1/32" (.031")	50 sq. ft.
1/16" (.063")	25 sq. ft.

STANDARD CONTAINERS

380 lbs	Net - 55 Gal. Drum	Pint Can	12 to a case	4 oz - 14/case
200 lbs.	Net - 30 Gal. Drum	8 oz Tubes	24 to a case	2 oz – 144/case
35 lbs.	Net - 5 Gal. Pail	8 oz can w/brush	14 to a case	1 oz - 216/case