

Sanchem Inc

NO-OX-ID "A-SPECIAL"
Rust Preventive
Coating & Lubricant

DESCRIPTION - NO-OX-ID "A SPECIAL" is a soft, grease type rust preventive, which contains a solvent for ease of application. Designed for spray or brush application, NO-OX-ID "A SPECIAL" leaves a thick, semi-transparent, non-drying film, which retains its properties indefinitely. Metal wetting agents and selected rust inhibitors blended with a petrolatum base make NO-OX-ID "A SPECIAL" an economical effective, protective coating.

NO-OX-ID "A SPECIAL" is recommended as a general heavy-duty rust preventive wherever cold applied coating is required for maximum protection of metal from weathering, water, or any corrosive atmosphere; used virtually by every industry. Where a black, pigmented consistency is desired, NO-OX-ID "A SPECIAL" is available as NO-OX-ID "A SPECIAL X" and are identical except for color.

In the manufacturing of precision or any finished metal parts NO-OX-ID "A SPECIAL" serves as a protective coating during storage and shipment. For this purpose it is applied by brush. For application by hot dip method use NO-OX-ID "A". 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.

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, Binks, DeVilbiss, 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 contaminations.

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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 gritblasting 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.

CLEAN UP OR REMOVAL - 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, or naphtha. If the coated metal can be handled easily, conventional degreasing methods, such as; trichlorethylene, vapor degreasers, alkaline wash, or solvent immersion methods can be used.

TABLE FOR CALCULATION COVERAGE

<u>FILM THICKNESS</u>	<u>APPROX. SQ. FT COVERAGE COVERAGE - PER GALLON</u>
1/64" (.016")	100 sq. ft.
1/48" (.023")	75 sq. ft.
1/32" (.031")	50 sq. ft.
1/16" (.063")	25 sq. ft.

(7.21/lbs. (wt. per gallon divided by sq. ft. coverage = wt. per sq. ft.)

TECHNICAL DATA - CHARACTERISTICS

TEST METHOD

Melting Point °F	135 - 165	ASTM D-127
Pour Point °F	130 - 160	ASTM D-97
Flash Point (COC)	250° F Min.	ASTM D-92
Penetration at 77° F	140 - 185	ASTM D-937
Viscosity @ 210° F	40 - 180 SUS	ASTM 2161
Wt. Per Gal.	7.21/lbs.	

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PERFORMANCE TESTS

Humidity Cabinet ASTM D-2247 @ 20 mils (5 year test)	5 Years
Salt Spray ASTM B-117 @ 20 mils (5 year test)	5 Years
Oil Separation @ 100 F FMTS 791B Method 321.2	0%

STANDARD CONTAINERS

Item# 10162 5 Gallon Pail - 35/lbs Net	Item# 10142 1 Gallon Pails - 7/lbs net
Item# 10122 Pint Cans - 2 pint minimum.	Item# 10132 Pint Cans - 12 pints/Case
Item# 10202 Tubes - 8oz - 4 minimum	Item# 10202 Tubes - 8oz - 24/Case
Item# 10210 8 oz tin with brush.	Item# 10119 7cc tube -150/Box
Item# 10222 2 oz container - 144/case	Item# 10121 1 oz container - 216/case
30 Gallon Drum – 200 lbs net	55 Gallon Drum 380 lbs net

NO-OX-ID A-SPECIAL

USAGE SHEET

General

1. In the oil industry.
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, benzine 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.
31. Metal equipment subjected to salt, acid or other corrosion.

AIRCRAFT CONSTRUCTION

1. Bolts, 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.

AUTOMOBILE INDUSTRY

1. Battery, containers and terminals
2. Bolts, nuts and threaded parts.
3. Exports and domestic shipment.
4. Springs- as a lubricant as well as a rust preventative.

BREWERIES-TANNERIES-GLUE PLANTS

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, switch blades 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.

GAS INDUSTRY

1. Purifying boxes.
2. Coke and coal handling equipment.
3. Coke quenching cars.
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.

MARINE SERVICE

1. Tanks-ballast, side and wing.
2. Fore and aft peak. 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. Elecrtic conduit.
5. Machined parts.
6. Stroker parts.
7. Outside bottom surface of tanks, also boards upon which tanks rest.
8. Inside of center sills and top and bottom of top cover plates of old style tenders.
9. Inside tender tanks.
10. Tender coal space
11. Top of tender underframe.
12. 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
12. Pre-coolers
13. Truck springs
14. Sprinkler systems
15. Structural steel
16. Valves and fitting

PAPER MILLS

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

RAILROAD SERVICE

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

TELEGRAPH, SIGNAL AND ELECTRIFICATION

1. Air lines
2. Boot jack connecting
3. Junction boxes
4. Messenger wires, cables, and clips
5. Pipe Carriers.
6. Railbonds.
7. Insulated rail joints
8. Switch and circuit control rods.
9. Battery Boxes.
10. Threads of turnbuckles on guy rods of electrification masts.

WATER INDUSTRY

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