MSDS NO.: 16-1238101-02
REPLACES: 16-1238101-01

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

81046
UST 235 DESERT SAND BASE

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SECTION II - HAZARDOUS INGREDIENTS

	PERCT. BY WT.	CAS NO.	ACGIH TLV (PPM)	OSHA PEL (PPM)	HAZARDOUS	VAPOR (2) PRESSURE
(PC)	<.5	7631-86-9	0.1 MG/M3(RESP)	0.1 MG/M3(RESP)		[illegible]
	20	25068-38-6	NE	NE		[illegible]
C NAPHTHA	10	64742-95-6	100	NE	[illegible]	[illegible]
	10	NA	NE	NE		[illegible]
	20	14807-96-6	2MG/M3(RESP)	2 MG/M3 (RESP.		[illegible]
NE	45	110-43-0	[illegible]	100		
	10	12001-26-2	3 MG/M3 (RESP)	20 MPPCF		
	5	71-36-3	50 (CL)	50 (CL)		
	<5	NA	NE	NE		
	10	13463-67-7	0	OD		

containing ingredients considered potential carcinogens by ACGIH, Federal OSHA, [illegible]
see Section V - IX (Health Hazard Data).

NOT ESTABLISHED, NA-NOT APPLICABLE/NOT AVAILABLE, (CL)-CEILING LIMIT, O-NUISANCE [illegible]
RCINOGEN, (PC)-POTENTIAL CARCINOGEN, OD-INERT OR NUISANCE DUST PEL 15 MG/M3 TOTAL DUST [illegible]
T AS A GUIDE, (2) [illegible] HAZARDOUS ACCORDING TO: [illegible] SARA 302/304, [illegible] SARA 313 [illegible]

SECTION III - PHYSICAL DATA

[illegible] PER GALLON: 11.84 VAPOR DENSITY: | X | HEAVIER
[illegible] (GRAMS/LITER) EVAPORATION RATE: | | FASTER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Setaflash): 100F
[illegible] PARTS [illegible] LEL: [illegible]

CO2 Dry Chemical, Foam, or other National Fire Protections Association (NFPA) approved [illegible]

[illegible] HAZARDS
[illegible] closed. Isolate from heat, electrical equipment, sparks and flame. [illegible] closed
[illegible] extreme heat may explode. Never use a welding or cutting torch on or near container [illegible] product
ignite. During emergency conditions overexposure to decomposition products may cause [illegible] hazard. Symptoms
[illegible] apparent. Obtain medical attention.
[illegible] PROCEDURES
firefighters. Use full protective equipment including self contained breathing [illegible] may be
ter is used, fog nozzles preferable. If exposed to fire or extreme heat, [illegible] closed
ent pressure build up or possible auto-ignition.

SECTION V - HEALTH HAZARD DATA

[illegible]SURE
: Irritation of the respiratory tract; headache, nausea, dizziness, weakness and fatigue. [illegible] exposure
can result in unconsciousness and even respiratory arrest.
May cause allergic reaction. Overexposure may cause permanent lung damage.
E CONTACT: Causes eye and skin irritation. May be harmful if absorbed through the skin.
: Can cause stomach and/or intestinal irritation, nausea, vomiting and diarrhea.
[illegible] associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous
mage. Prolonged or repeated breathing [illegible] dust over a period of [illegible] dust
[illegible] lungs.
[illegible] IARC as a class 2A carcinogen. [illegible] which can cause lung damage and cancer. Risk
and level of exposure.
PRONE TO AGGRAVATION BY EXPOSURE
used in accordance with safe handling [illegible] (see Section VIII).
ENTRY | X | SKIN | | INGESTION

Surface Preparation

[illegible] metal coatings provide the maximum performance over near white blasted surfaces. There are, however, situations and cost [illegible], where grit blasting to near white metal is not possible. Bar-Rust Coatings were designed to provide excellent protection over less [illegible] surface preparation.

[illegible] preparation recommended for Bar-Rust 236 Coating is to include removal of water, salt, dirt, oil, loose rust and all mill scale. The [illegible] standard for non-immersion service is Steel Structures Painting Council Standard SSPC-SP-2 or Swedish Standard [illegible] [illegible] service, the minimum standard is SSPC-SP-3 or Swedish Standard C St3. Where very rusty surfaces [illegible] [illegible] immersion service, use Pro-Prime 167 Sealer before application of Bar-Rust 236 Coating.

Mixing and Thinning

[illegible] 236 Coating is a two component product supplied in 5 Gallon and 1 Gallon kits which contain the [illegible] [illegible] of each container must be mixed together. Power mix the base portion first to obtain a smooth, homogeneous [illegible] [illegible] portion, add the convertor slowly with continued agitation. After the convertor add is complete, continue [illegible] [illegible] Coating requires a 15 minute induction time.

[illegible] normally required or desired; however, at lower temperatures, small amounts (10% or less) of the solvents [illegible] [illegible] depending on local VOC and air quality regulations. Any solvent addition should be made after [illegible] components are [illegible]

[illegible] material is 5 hours at 77°F (25°C). Higher temperatures will reduce working life of the [illegible]

Ventilation

[illegible] important for the safety of the applicator and the proper performance of the Bar-Rust 236 Coating that good [illegible] [illegible] portions of the enclosed area. It is equally important to bring into the enclosed area dry, fresh air to remove all solvent [illegible] [illegible] vapors are heavier than air, ventilation ducts should reach to the lowest portions of the enclosed areas as well as [illegible] [illegible] Ventilation should be provided throughout the cure period to insure all the solvents are removed from the coating. [illegible] [illegible] essential that full ventilation be maintained for seven days.

Application

[illegible] 236 Coating can be applied by both conventional air spray and airless spray equipment.

[illegible] air spray application, a fluid tip of .070" to .086" (DeVilbiss E and D tips) and an air cap with good break-up such as [illegible] [illegible] good results. The fluid pressure should be kept low, with just enough air pressure to get good break-up of the coating. [illegible] [illegible] can cause overspray problems.

[illegible] airless equipment is used, a 30 to 1 pump and .021" to .025" tip size will provide a good spray pattern. [illegible] fluid hoses should not be [illegible] than 3/8" ID and not longer than 50 feet to obtain optimum results.

[illegible] 236 Coating may also be applied by brush or roller. Care should be taken that proper and uniform film thicknesses are obtained.

[illegible] Two coats of Bar-Rust 236 Coating at 5 to 6 mils per coat, plus two stripe coats over sharp edges, cutouts and welds. [illegible] for each coat and stripe coat.

Antifouling paints should be applied over Bar-Rust 236 Coating before the Bar-Rust 236 Coating has cured hard.

Precautions

See the material safety data sheet and product label for complete safety and precaution requirements.

February, 1989

DEVOE COATINGS COMPANY
Division of GROW GROUP, INC.

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