

STEEL GUARD NANO COAT

MATERIAL SAFETY DATA SHEET

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SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **STEEL GUARD NANOCOAT**

MANUFACTURED BY:

M/S ALTRON CHEMICALS

PL. NO.25, SR.NO. 83/1, SAMBAJINAGAR, SAIDAPUR,
SATARA (MS), INDIA.

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SECTION 2: INFORMATION OF INGREDIENTS

ACTIVE INGREDIENT 1	35%
ACTIVE INGREDIENT 2	3%
SOLVENT	50%
ACTIVE INGREDIENT 3	12%

SECTION 3: HAZARD IDENTIFICATION

Route of exposure: Skin contact and eye contact (spillage) is expected to be the primary route of occupational exposure to steel guard nanocoat. Steel guard nanocoat in few cases is considered to be stinging to eyes. In case of prolonged skin contact slight itching may take place

SUMMARY OF ACUTE HEALTH HAZARDS

INGESTION: produce abdominal pains, thirst, gastro intestinal irritation, convulsions. INHALATION: may cause irritation to nose, respiratory tract throat.

SKIN: may cause skin irritation, itching.

EYES: moderate brief stinging sensitization.

SECTION 4: FIRST AID MEASURES

INGESTION: if victim is conscious give the person 2 glasses of water immediately. don't induce vomiting.

Don't make unconscious person vomit. Get medical attention quickly.

INHALATION: immediately move individual away from exposure into fresh air. SKIN: immediately flush skin with water or solution of 10% sodium bicarbonate in water for 5 minutes.

EYES: rinse open eye for several minutes under running water. If symptom developed as a result of vapor exposure quickly move individual in fresh air before flushing as recommended above seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

- 1) AUTO IGNITION TEMPERATURE : NOT FLAMMABLE
- 2) FLASH POINT: NOT APPLICABLE
- 3) LOWER EXPLOSIVE LIMIT: NOT APPLICABLE
- 4) UPPER EXPLOSIVE LIMIT: NOT APPLICABLE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Cover the contaminated surface with plenty of sodium bicarbonate solution in water (30%) and wash properly with above solution.

Use eye and skin protection and mask while washing the area.

SECTION 7: HANDLING AND STORAGE

HANDLING: Don't eat or drink while the product is being handled. Avoid eye and skin contact.

STORAGE: Store in well ventilated area, always keep the container tightly closed. Store drums away from heat and direct sunlight.

SECTION 8: PERSONAL PROTECTION

TECHNICAL MEASURES: keep away from food stuff, beverage and food. Take off contaminated clothing.

Wash hands during breaks, before eating or using toilet facilities and at the end of work.

RESPIRATORY PROTECTION: use good quality masks to prevent over exposure.

SKIN PROTECTION: wear appropriate impermeable gloves (neoprene, nitrile rubber polyvinyl chloride, polyethylene) and protective clothing and gum boots to prevent skin contact.

EYE PROTECTION: avoid contact with eyes , wear chemical splash goggles and face shield (8" min)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	LIQUID
COLOR:	GREEN TO FAINT YELLOW
ODOUR:	MILD ACIDIC
FLASH POINT:	NOT APPLICABLE
AUTO IGNITION POINT:	NOT APPLICABLE
DANGER OF EXPLOSION:	PRODUCT DOES NOT PRESENT EXPLOSION HAZARD
SOLUBILITY:	SOLUBLE IN WATER
Ph VALUE:	2 -3.5
SPECIFIC GRAVITY:	1.16 g/cm ³
VISCOSITY:	13 SECONDS @ 30 ° CELCIUS
VAPOUR PRESSURE:	NOT APPLICABLE
VAPOUR DENSITY:	HEAVIER THAN AIR

MATERIALS TO AVOID:	STRONG OXIDANTS &ALKALIES
BOILING POINT	115 ° CELCIUS
FREEZING POINT	-2 ° CELCIUS

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	STABLE
HAZARD POLYMERISATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	TEMPERATURE MORE THAN 50 ° CELCIUS

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	NON TOXIC
PRIMARY IRRITANT EFFECTS	SLIGHT ITCHING SENSATION
EYES:	CAN CAUSE IRRITATION
SKIN	IRRITANT ON LONG EXPOSURE
BREATHING:	DON'T BREATH / INHALE VAPOURS
SENSITIZATION:	NO SENSITIZATION EFFECTS KNOWN

SECTION 12: ECOLOGICAL INFORMATION

When released in soil the material may leach into ground water.
When released with water, natural water hardness minerals may readily reduce acidity.

Recommendation: don't waste to flowing water.

SECTION 13: DISPOSAL CONSIDERATIONS

MUST NOT DISPOSE WITH HOUSEHOLD GARBAGE.
NEUTRALISATION BY WASTE TREATMENT FACILITY IS RECOMMENDED.

SECTION 14: REGULATORY INFORMATION



HAZARD SYMBOL: B

STORAGE CODE : a,g

HANDLING PHRASES: 7

SECTION 15: TRANSPORT INFORMATION

NO SPECIAL PRECAUTIONS REQUIRED FOR TRANSPORTATION. ALWAYS CHECK THE SEAL OF THE CONTAINER BEFORE TRANSPORTAION.

As the said product is not inflammable and water based so this is very much safe to travel through **Air mode**

SECTION 16: OTHER INFORMATION

THE INFORMATION IS BASED ON OUR PRESENT KNOWLEDE. HOWEVER THIS SHALL NOT CONSTITUTE A GUARANTEE FOR ANY PRODUCT FEATURE AND SHALL NOT ESTABLISH A LEGALLY VALID CONTRACTUAL RELATIONSHIP.

THE COMPANY HAS EVERY RIGHT TO CHANGE THIS MSDS IF REQUIRES THIS MATERIAL SAFTTY DATA SHEET HAS BEEN COMPLIES IN ACCORDANCE WITH ALTRON'S DIRECTIVE.