

1. PRODUCT AND COMPANY IDENTIFICATION		
Product Name:	NanoTech Rust Converter	
Company Name:	NanoTech Innovation Inc.	
Website	www.nanotechinnovation.ca	
Address	289-2366 Main Mall	
	Vancouver	
	BC, Canada	
Phone	+1 (604) 401-6402	
Intended Use:	To convert rust, on equipment and pipes, to a protective barrier	
Additional Information	NanoTech Nano Rust Converter, a water-based primer, contains	
	two active ingredients. The first ingredient, reacts with iron oxide	
	(rust) and chemically converts it to iron a dark-colored stable	
	material. The second active ingredient, is an organic polymer that	
	provides a protective primer layer. The overall chemical reaction	
	converts rust into a stable, black protective polymeric coating that	
	serves as an excellent primer for both oil and epoxy based paints.	
2.	HAZARDS IDENTIFICATION	
Hazard Rating System:	Skin Corrosion/Irritation Category 1A-1C; Eye Damage/Eye	
	Irritation Category 1	
GHS Signal Word:	SAFE	
GHS Precaution Phrases:	H314: Causes severe eye damage.	
	H318: Causes serious eye damage.	
	P260: Do not breathe gas/mist/vapors/spray.	
	P264: Wash hands thoroughly after handling.	
	P280: Wear protective gloves/protective clothing/eye	
GHS Response Phrases:	P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce	
	vomiting.	
	P303+361+353: IF ON SKIN (or hair): Remove/take off immediately	
	all contaminated	
	clothing. Rinse skin with water/shower.	
	P304+340: IF INHALED: Remove victim to fresh air and keep at rest	
	in a position	
	comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several	
	minutes. Remove	
	contact lenses, if present and easy to do. Continue rinsing.	
	P310: Immediately call a POISON CENTER or doctor/physician.	
	P321: Specific treatment see label.	
	P363: Wash contaminated clothing before reuse.	
GHS Storage and Disposal Phrases:	P405: Store locked up.	
chio otorage and Disposar i mases.	P501: Dispose of contents/container accorfding to local, state and	
	federal regulations.	
GHS Hazard Phrases:	H314: Causes severe skin burns and eye damage.	
	H318: Causes serious eye damage.	



OSHA Regulatory Status:	This material is classified as NO HAZARDOUS under OSHA
	regulations.
Potential Health Effects:	
EYE:	May cause damage, redness, tearing, and irritation.
SKIN:	May result in drying of the skin.
INHALATION:	Inhalation acute exposure effects - may cause irritation of the
	respiratory tract, including mucous membranes and nasal
	passages.
INGESTION:	May cause gastrointestinal, irritation, nausea, abdominal pain,
	vomiting, and diarrhea.
CHRONIC EFFECTS:	Overexposure to diethylene glycol monomethyl ether has
	apparently been
	found to cause the following effects in laboratory animals: kidney
	damage, liver abnormalities, and testis damage.
TARGET ORGANS:	LIVER, RESPIRATORY TRACT, KIDNEY, BLOOD
Medical Conditions:	Medical conditions generally diseases of the skin, eyes, and
	respiratory
	system.

3. COMPOSITION/INFORMATION ON INGREDIENTS			
CAS#	Hazardous Components (Chemical Name)	Concentration	RTECS #
HAZARDOUS COMPONENTS	NO HAZARDOUS	XX	XX
(CHEMICAL NAME):			
Metal oxides	NO HAZARDOUS	XX	XX
Additional Chemical	Specific percentage of composition is being v	vithheld as a trade	secret.
Information			

	4. FIRST AID MEASURES
Emergency and First Aid Procedures:	
Inhalation:	If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be reached.
Skin Contact:	Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.
Eye Contact:	Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.
Ingestion:	Call your poison control center, hospital emergency room, or physician immediately for instructions.
Note to Physician:	Call your local poison control center for further instructions.



5. FIRE FIGHTING MEASURES	
Flash Pt:	No Flashpoint
Explosive Limits:	No Data
Suitable Extinguishing Media:	Non-combustible liquid - use extinguishing media for underlying cause of fire.
Unsuitable Extinguishing Media:	None known.
Fire Fighting Instructions:	Material is non-combustible, no special procedures required. As in any fire, self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas.

6. ACCIDENTAL RELEASE MEASURES		
Steps To Be Taken in Case Material is Released	Clean Up:	
or Spilled:	Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Keep out of sewers, waterways, and bodies of water. For small spills, take up liquid with sand, earth, or other noncombustible absorbent material and place in a container for	
	disposal. For large spills, dike far ahead of spill and use sand, earth, or other noncombustible absorbent material and then place material in a container for disposal.	

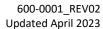
7. HANDLING AND STORAGE		
Precautions To Be Taken in Handling:	Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse the container.	
Precautions To Be Taken in Storing:	Keep container tightly closed when not in use. Store in a cool, dry place. Protect from freezing. Avoid extreme high or low temperatures.	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION				
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7727-43-7	Barium sulfate {(EXEMPT FROM SECTION 313)} {C.I. Pigment white 21; Mineral white; Permanent white}	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3	No data.
1401-55-4	Tannic acid	No data.	No data.	No data.



111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	PEL: 50 ppm	TLV: 20 ppm	No data.
107-21-1	Ethylene glycol	No data.	CEIL: 100	No data.
			mg/m3 (H)	
Respiratory	Under normal use conditions and wh	en used as directe	ed, respiratory pro	tection is not
Equipment	needed.			
(Specify Type):	For OSHA controlled work place and o	_	•	•
	ventilation under engineered air cont		•	_
	appropriate TLV. For occasional use,	~		
	properly maintained and properly fitt	• •	•	_
	vapors to keep vapors below applicat	ole exposure limit	s. A dust mask doe	es not provide
	protection against vapors.			
Eye Protection:	Safety glasses, chemical goggles or fa	ce shields are rec	ommended to safe	eguard against
	potential eye contact, irritation, or in	jury.		
Protective Gloves:	Wear gloves with as much resistance	to the chemical in	ngredients as poss	ible. Glove
	materials such as nitrile may provide	protection. Glove	selection should	be based on
	chemicals being used and conditions of use. Consult your glove supplier for additional			
	information. Gloves contaminated wi	th product should	be discarded and	I not reused.
Other Protective	Various application methods can dict	ate use of additio	nal protective safe	ety equipment,
Clothing:	such as impermeable aprons, etc., to minimize exposure. Before reuse, thoroughly			
	clean any clothing or protective equip	oment that has be	en contaminated	by prior use.
Engineering Controls	Use only with adequate ventilation to	prevent build-up	of vapors. Open a	all windows and
(Ventilation etc.):	doors. Use only with a cross ventilation	on of moving fres	h air across the wo	ork area. If
	strong odor is noticed or your experie	ence slight dizzine	ss, headache, nau	sea, or
	eye-watering - STOP - ventilation is in	nadequate. Leave	area immediately.	
Work/Hygienic/Maint	Wash hands thoroughly after use and	before eating, di	inking, or smoking	
enance	Do not eat, drink, or smoke in the work area.			
Practices:	Facilities storing or handling this mate	Facilities storing or handling this material should be equipped with an emergency		
	eyewash and safety shower.			
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9. PHYSICAL AND CHEMICAL PROPERTIES		
Physical States:	Liquid	
Auto-ignition Pt:	No data.	
Melting Point:	No data.	
Boiling Point:	> 212.00 F	
Flash Pt:	NE	
Explosive Limits:	LEL: No data. UEL: No data.	
Specific Gravity (Water = 1):	1.1	
Density:	1.3	
Appearance and Odor:	BROWN COLOR	





Vapor Pressure (vs. Air or mm Hg):	< 1 MM HG	
Evaporation Rate:	No data	
Solubility in Water:	No data.	
Percent Volatile:	N.D.	
pH:	6 – 6.5	
Vapor Density (vs. Air = 1):	No data.	

10. STABILITY AND REACTIVITY	
Conditions To Avoid - No data available.	
Stability:	Stable
Incompatibility - Materials	Strong oxidizing agents and strong bases.
Avoid:	Decomposition may produce carbon monoxide, carbon dioxide, aldehydes, ketones, and organic acids.
Hazardous Decomposition or Byproducts: Possibility of Hazard	Will not occur

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for acute and

chronic health effects.

CAS# 111-76-2:

Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H.

Result:

Behavioral: ataxia.

Nutritional and gross metabolic:weight loss or decreased weight gain.

Toxicology and applied pharmacology, academic press, inc., 1 e. First st., duluth,

Mn55802, vol/p/yr: 68,405, 1983

Acute toxicity, ld50, skin, species: rabbit, 220.0 mg/kg.

Result:

Effects on embryo or fetus: extra embryonic structures (e.g., placenta,

Umbilical cord).

Effects on embryo or fetus: other effects to embryo.

Specific developmental abnormalities: musculoskeletal system.

Dow chemical company reports., dow chemical usa, health and environment Research, toxicology research lab, midland, mi 48640, vol/p/yr: msd-46, acute

Toxicity, ld50, oral, rat, 250.0 mg/kg.

Chronic toxicological effects: result: 25000

Lungs, thorax, or respiration: changes in pulmonary vascular resistance.



600-0001_REV02 Updated April 2023

Standard draize test, eyes, species: rabbit, 100.0 mg, severe.

Result:

Effects on newborn: apgar score (human only).

Effects on newborn: other neonatal measures or effects.

Effects on newborn: drug dependency.

American journal of ophthalmology., ophthalmic pub. Co., 435 n. Michigan

Ave., suite 1415, chicago, il 60611, vol/p/yr: 29,1363, 1946

This product has not been tested as a whole.

Cas # hazardous components (chemical name) ntp iarc acgih

Osha

12. ECOLOGICAL INFORMATION

General Ecological Information:

No information available for this product as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose in accordance with applicable local, state and federal

regulations.

Transport hazard class (iata): non hazard west

General: the product is not covered by international regulations on

the Transport of dangerous goods.

IATA proper shipping name: paint or paint related material.

IATA hazard class: no applicable

UN/NA number: 142/w463 - water based acrylic line marking paint

- all colours

14. TRANSPORT INFORMATION

DOT Proper Shipping Name:

DOT Hazard Class: UN/NA Number:

LAND TRANSPORT (US DOT):

Additional Transport

Information:

Not Regulated by D.O.T.

15. REGULATORY INFORMATION								
EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists								
CAS#	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)				
7727-43-7	Barium sulfate {(EXEMPT FROM SECTION	No	No	Yes-Cat. N040				



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	313)} {C.I.					
	Pigment white 21;					
	Mineral white;					
	Permanent white}					
1401-55-4	Tannic acid	No	No	No		
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230		
	{Ethylene glycol n-					
	butyl ether,					
	(a glycol ether)}					
107-21-1	Ethylene glycol	No	Yes	Yes		
This material me	ets the EPA 'Hazard Cate	gories' defined for	SARA Title III S	Sections 311/312.		
CAS#	Hazardous Components (Chemical		Other US EPA or State Lists			
	Name)					
7727-43-7	Barium sulfate {(EXEMPT FROM		CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -			
	SECTION		Inventory; CA PROP.65: No			
	313)} {C.I. Pigment white 21; Mineral					
	white;					
	Permanent white}					
1401-55-4	Tannic acid		CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes -			
			Inventory; CA PROP.65: No			
107-21-1			Ethylene gly	ycol CAA HAP, ODC: HAP; CWA NPDES: No;		
			TSCA: Yes -			
			Inventory, 4	1 Test; CA PROP.65: No		
Regulatory	All components of this material are listed on the TSCA Inventory or are exempt.					
Information	•			•		
Statement:						

COMPANY POLICY OR DISCLAIMER:

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