

# NANOSHINE LTD

*Nanotechnology as a lifestyle*

## Ceramic PRO series

MSDS Number: Ceramic PRO 9812

Revision Date: 06/18/2011

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### PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Nanoshine Limited

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Contact

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Product Name:	Ceramic PRO Series
Revision Date:	06/18/2011
Version:	2
MSDS Number:	Ceramic PRO 812
Common Name:	Nano Coating for Car Protection
CAS Number:	Proprietary Formulation
Product Code:	Ceramic PRO Series
Product Use:	Car Care Market

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### HAZARDS IDENTIFICATION

Route of Entry :	Eyes, Ingestion, Inhalation, Skin
Target Organs :	Central Nervous System, Kidneys, Liver
Inhalation :	May produce symptoms of central nervous system depression including headache, dizziness, nausea, loss of balance, and drowsiness
Skin Contact :	May be irritating
Eye Contact :	May be irritating
Ingestion :	Ingestion may cause damage to the lining of the gastrointestinal tract

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### COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients :

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CAS #	Percentage	Chemical Name
64771-72-8	<40%	Normal Alkane
	<65%	Proprietary Formulation

### 4 FIRST AID MEASURES

Inhalation :	Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing stops, have trained person administer artificial respiration and seek medical attention immediately.
Skin Contact :	Wash thoroughly with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash all clothing before re-use. If irritation persists, seek medical attention.
Eye Contact :	Immediately flush with water for at least 15 minutes. If irritation persists, seek medical attention.
Ingestion :	Do not induce vomiting. Seek medical attention immediately.

### 5 FIRE FIGHTING MEASURES

Flash Point :	82 °C
Flash Point Method :	Closed cup
Burning Rate :	Not available
Autoignition Temperature :	Not available
LEL :	Not available
UEL :	Not available
Flammability Classification :	NFPA Class IB Flammable Liquid
Extinguishing Media :	Carbon dioxide, dry chemical powder, or appropriate foam.
Fire Fighting Procedures :	Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service, and eliminate sources of ignition. Use water spray to cool containers and avoid pressure build-up. Wear self-contained breathing apparatus and full protective clothing.
Fire and Explosion Hazard :	Combustible Liquid. Over-heated containers may rupture.

### 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions :	Evacuate all unnecessary personnel and eliminate all sources of ignition.
Environmental Precautions :	Contain liquids and prevent discharge into streams and sewers, control or

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stop the loss of volatile material to the atmosphere. Do not apply water to the spill. Spills should be reported, if required, to the appropriate local, state, or federal agencies.

Small Spills : Cover with an inorganic absorbent, such as vermiculite, perlite, ground clay, or sand; sweep up, and dispose of appropriately. Clean contaminated area with soap and water.

Large Spills : Dike to contain and pump into drums for disposal. Add vermiculite absorbent to remaining material (as above).

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### HANDLING AND STORAGE

Handling Precautions : Keep away from heat, sparks, pilot lights, welding operations, and open flames. Do not eat, drink, or smoke in areas where this material is used. Do not get in eyes, clothing, or on skin. Keep away from heat, sparks, pilot lights, welding operations, and open flames. Ground all equipment. Vapors are heavier than air and will tend to collect in low areas. Avoid use in confined spaces. Areas of poor ventilation could contain concentrations high enough to cause unconsciousness and death. Use approved air respirator following manufacturer's recommendations where vapors may be generated. Wash thoroughly with soap and water after handling.

Storage Requirements : Keep container properly closed and properly labeled. Store in a cool dry place designated for combustible liquid storage. Keep away from heat, sparks, and open flame. Vent periodically, if needed, to release head pressure.

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### EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls : Adequate room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits. Use of fume hoods or closed booths recommended when product is used in a manner that may generate mist or aerosol.

Protective Equipment : HMIS PP, C | Goggles, Gloves, Apron

Exposure Guidelines/Other : Other: Emergency shower and eyewash facility should be in close proximity. Completely isolate and thoroughly clean all equipment, piping or vessels with a

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high flash, non-polar solvent before beginning maintenance or repairs.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Liquid with a slight ammonia odor. Color varies with product number.
Physical State :	Liquid
Odor :	Slightly Ammonia-like
pH :	6-8
Boiling Point :	Not applicable, material hydrolyzes
Freezing/Melting Point :	N/A
Solubility :	Virtually Insoluble, reacts slowly with water
Spec Grav./Density :	0.96~0.98
Vapor Pressure :	Undetermined
Vapor Density :	Undetermined

### 10 STABILITY AND REACTIVITY

Stability :	Stable
Conditions to avoid :	High temperatures
Materials to avoid (incompatibility) :	Reacts vigorously and exothermically with isocyanates. Material will react slowly with water and other protic substances. This product may react with mineral acids, alkalis, and oxidizing agents. Caution should be taken when mixing this product with any of these materials.
Hazardous Decomposition products :	Carbon monoxide, carbon dioxide, silicon dioxide
Hazardous Polymerization :	Will not occur

### 11 TOXICOLOGICAL INFORMATION

Carcinogenicity Information :	Not listed as a carcinogen by NTP; not regulated as a carcinogen by OSHA; not evaluated by IARC
Reported Human Effects :	No human studies have been conducted with this material. The use of recommended protective equipment should prevent any adverse effects.
Reported Animal Effects :	Oral LD50, rat: 200-2000 mg/kg Skin irritation, rabbit; severe erythema with signs of necrosis after 1-hour exposure.

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### ECOLOGICAL INFORMATION

Avoid release to surface waters and waste treatment systems. This material may be hazardous to aquatic organisms.

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### DISPOSAL CONSIDERATIONS

Do not mix this product with aqueous or other protic waste streams. Incinerations of combustible waste material in a permitted facility in accordance with the local, state and federal regulations is the recommended disposal method.

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### TRANSPORT INFORMATION

Proper Shipping Name : Non Corrosive Liquid and Not regulated as dangerous goods.  
Technical Description Multi-purpose Cleanser  
Remarks : Shipment Permitted  
Label : Not Poison

14.1 UN number

ADR/RID: 1219 IMDG: 1219 IATA: 1219

14.2 UN proper shipping name ADR/RID: ISOPROPANOL IMDG: ISOPROPANOL IATA: Isopropanol

14.3 Transport hazard class(es) ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packaging group ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user no data available

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### REGULATORY INFORMATION

Labeling in accordance with EC-Directives

Risk Phrases R22 – harmful if swallowed.  
R36/38 – eye & skin irritant: avoid prolonged exposure.  
R37 - respiratory system irritant: may cause nausea & avoid inhalation.  
Safety Phrases S36/37 - wear suitable protective clothing and gloves.  
S61 - avoid release to the environment. Refer to special instructions/safety data sheet.

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S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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### OTHER INFORMATION

U.S. Federal Regulations:

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Material Safety Data Sheet available to all your employees.

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END OF MSDS DOCUMENT