
Cerakote Ceramic Trim Coating

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Cerakote Ceramic Trim Coating
Revision Date: 7/25/2019
Version: 1.2

Supplier Details: NIC Industries, Inc.
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Emergency Contact: Call PERS: 1-800-633-8253 (USA & Canada) or 001-1-801-629-0667 (International).

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2 HAZARDS IDENTIFICATION
Classification of the Substance or Mixture
GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Liquids, 2
 Health, Acute toxicity, 4 Oral
 Health, Acute toxicity, 4 Dermal
 Health, Skin corrosion/irritation, 1 B
 Health, Respiratory or skin sensitization, 1 Skin
 Health, Serious Eye Damage/Eye Irritation, 1
 Health, Acute toxicity, 3 Inhalation
 Health, Respiratory or skin sensitization, 1 Respiratory
 Health, Specific target organ toxicity - Single exposure, 3
 Environmental, Hazards to the aquatic environment - Acute, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:


GHS Hazard Statements:

H225 - Highly flammable liquid and vapour
 H302 - Harmful if swallowed
 H312 - Harmful in contact with skin
 H314 - Causes severe skin burns and eye damage
 H317 - May cause an allergic skin reaction
 H318 - Causes serious eye damage
 H331 - Toxic if inhaled
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H335 - May cause respiratory irritation
 H401 - Toxic to aquatic life

GHS Precautionary Statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash skin thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P271 - Use only outdoors or in a well-ventilated area.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P285 - In case of inadequate ventilation wear respiratory protection.
 P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 - 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.
 P322 - Specific measures (see supplemental first aid instructions on this label).
 P330 - Rinse mouth.
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention.
 P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
 P362 - Take off contaminated clothing and wash before reuse.
 P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 - Store in a well-ventilated place. Keep cool.
 P405 - Store locked up.
 P501 - Dispose of contents/ container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
*****	5-40%	Alkyl Polysilicate
*****	10-30%	Rheology Modifier
*****	5-15%	Leveling Agent
*****	5-15%	Wetting Agent
*****	40-60%	Ambient Curable Refractory Resin

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as significantly hazardous to health or the environment and hence require reporting in this section.

** Trade Secret: In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200(i) and in accordance with the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS), the specific identity and/or exact percentage (concentration) of the composition has been withheld as a "Trade Secret."

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. Maintain an open airway. Loosen tight clothing. If symptoms develop, seek medical attention.

Skin Contact: Remove all contaminated clothing and shoes. Wash thoroughly with soap and water for at least 15 minutes. Wash all clothing before re-use. If symptoms develop, seek medical attention.

Eye Contact: Remove contact lenses. Immediately flush with water for at least 15 minutes, forcibly holding eyes apart. If symptoms develop, seek medical attention.

Ingestion: Rinse mouth out and then drink plenty of water. Only induce vomiting at the instruction of medical personnel. Vomiting may be dangerous. Keep head low so vomit does not enter lungs. Never induce vomiting or give anything by mouth to an unconscious or convulsing person. Keep patient at rest. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES

Extinguishing Media:
 Water, 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:
 Contains possibly combustible materials. Over-heated containers may rupture. Fumes may be flammable/explosive in air when in the presence of an ignition source. Vapors may travel a significant distance to a source of ignition and flash back.

Personal Precautions:

Evacuate all unnecessary personnel and surrounding areas, and eliminate all sources of ignition if safe to do so. Wear proper personal equipment, especially a sufficient respirator. Do not touch or walk through spilled material. Provide adequate ventilation and avoid breathing vapors.

Environmental Precautions:

Contain liquids and prevent discharge into streams, soil, waterways, drains, and sewers. Control or 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, especially if environmental pollution has occurred. In case of a major release or road spill, notify PERS: 1-800-633-8253 (USA & Canada) or 001-1-801-629-0667 (International).

Remove all sparking devices or ignition sources. Product is flammable. Stop leak if without risk. Move containers from spill area. Approach spill from upwind. Cover with an inorganic absorbent, such as vermiculite, perlite, ground clay, or sand. Sweep up and dispose according to local, state, and federal regulations. Contaminated absorbent may pose the same hazard as spilled material does. Use spark-proof tools and explosion-proof equipment.

Handling Precautions:

This material is rated as flammable.
 Avoid vapor formations and use with adequate ventilation.
 Avoid breathing fumes.
 Vapors are heavier than air and will tend to collect in low areas. Avoid use in confined spaces.
 Avoid bodily contact with material.
 Wear appropriate personal protective equipment.
 Wash thoroughly after handling and avoid contact with eyes.
 No eating, drinking, or smoking near areas where substance is handled, processed or stored.
 Flammable vapors may form explosive mixtures in the air.
 Use non sparking tools.
 Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair.
 Clean spills immediately.

Storage Requirements:

Keep away from heat, static electricity discharges, and all sources of ignition.
 Avoid moisture and extreme temperatures.
 Avoid shock and friction.
 Store in a cool, dry area away from direct sunlight. Avoid freezing.
 Do not allow cross-contamination, and keep away from incompatible materials.
 Keep tightly closed when not being used, but vent carefully before using.
 Label all containers appropriately.
 Do not reuse containers.
 Do not store near food or drinks.
 Avoid excessive aging.
 Store in accordance with federal regulations.

Engineering Controls:

Adequate room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits. Assure ACGIH TWA and OSHA PEL limits (varies by product) are maintained. Use of fume hoods or closed booths required when product is used in a manner that may generate mist or aerosol.

Personal Protective Equipment:

Eye/face protection: Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Emergency eyewash and shower capabilities should be in close proximity. Employ proper hygienic measures after working with material and before eating, smoking, or using the restroom. Fully wash any contaminated clothing. Avoid breathing fumes.

Appearance:	Moistened towelette.	Odor:	Ammoniacal.
Physical State:	Moistened towelette.	Molecular Formula:	Mixture.
Odor Threshold:	Not applicable.	Solubility:	Reacts with water.
Particle Size:	Not applicable.	Softening Point:	Not applicable.
Spec Grav./Density:	Not determined.	Percent Volatile:	Not determined.
Viscosity:	Not determined.	Heat Value:	Not determined.
Saturated Vapor Concentration:	Not determined.	Freezing/Melting Pt.:	Not determined.
Boiling Point:	>40° C	Flash Point:	>30° C
Flammability:	Flammable.	Octanol:	Not applicable.
Partition Coefficient:	Not determined.	Vapor Density:	Not determined.
Vapor Pressure:	Not applicable.	VOC:	49 CFR Exempt, EPA and CARB Compliant.
pH:	Not determined.	Bulk Density:	Not determined.
Evap. Rate:	Not applicable.	Auto-Ignition Temp:	Not determined.
Molecular weight:	Not applicable.	UFL/LFL:	Not determined.
Decomp Temp:	Not applicable.		

Chemical Stability:	Stable
Conditions to Avoid:	Extreme temperatures, moisture, vapor formation and sources of ignition
Materials to Avoid:	Strong oxidizing agents, strong acids, water, and alkalines
Hazardous Decomposition:	Carbon dioxide, carbon monoxide, and silicon oxides may be produced from all coating formulations
Hazardous Polymerization:	Will not occur

Acute toxicity:

LD50 Oral - Rat - 3.7 g/kg

Remarks: Behavioral: Somnolence (general depressed activity).

Behavioral: Change in motor activity (specific assay).

Gastrointestinal: Other changes.

LD50 Dermal - Rabbit - 13.6 g/kg

Remarks: Behavioral: Somnolence (general depressed activity). Lungs, Thorax, or Respiration: Other changes. Prolonged skin contact may cause skin irritation and/or dermatitis.

Skin corrosion/irritation:

Skin - Rabbit

Result: Skin irritation

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Severe eye irritation

Respiratory or skin sensitisation

Germ cell mutagenicity:

No data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity:

No data available

Specific target organ toxicity - single exposure:

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure:

No data available

Aspiration hazard:

No data available

Toxicity:
No data available

Persistence and degradability:
No data available

Bioaccumulative potential:
No data available

Mobility in soil:
No data available

Results of PBT and vPvB assessment:
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects:
No data available

This product is not regulated by the EPA. It is the waste generator's responsibility to determine how disposal must occur. Minimize or avoid the generation of waste whenever possible. Dispose of waste, unused material, and empty containers according to federal, state, and local regulations. Do not mix this product with aqueous or other waste streams.

US DOT/IATA:

Proper Shipping Name: Paint Related Materials
Hazard Class: 3
UN Number: 1263
Packing Group: II
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

[%] RQ (CAS#) Substance - Reg Codes

[5-40%] Alkyl Polysilicate, Trade Secret (*****) TSCA

[0-2.5%] Rheology Modifier, Trade Secret (*****) TSCA

[5-15%] Leveling Agent, Trade Secret (*****) GADSL, REACH, TSCA

[5-15%] Wetting Agent, Trade Secret (*****) REACH, TSCA

[40-60%] Ambient Curable Refractory Resin, Trade Secret (*****)

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

TSCA = Toxic Substances Control Act
GADSL = Global Automotive Declarable Substance List (GADSL)
REACH = REACH List of Substances of Very High Concern (RSL)

U.S. TOXIC SUBSTANCES CONTROL ACT: All components of this product are on the TSCA Inventory or are exempt from the TSCA Inventory requirements under 40 CFR 720.30.

RoHS-2: NIC Industries, Inc. products comply with the EU RoHS-2 Directive and Amendments, including 2006/122/EC.

TSE/BSE: NIC Industries, Inc. products comply with European Parliament and Council Regulation (EC) No. 999/2001.

NFPA: Health = 2, Fire = 3, Reactivity = 1, Specific Hazard = No H2O



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, 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 Safety Data Sheet available to all of your employees.

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