SAFETY DATA SHEET

1. Identification

Product identifier **Premera T2 IR**

Other means of identification None.

Recommended use Improved Release Quartz based clear to protect metal, concrete and masonry surfaces, Refer to the Product Technical Data Sheet.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier

Company name	Nukote Coating Systems International
Address	4730 Consulate Plaza Dr. Suite 100 Houston, TX. 77032
Telephone	832-770-7100
Email	SDS@nukoteglobal.com
Emergency Phone Number	Chemtrec: 800-424-9300 (Account: CCN16118) or International: 703-527 3887 (Account: CCN16118)

2. Hazard(s) identification

NFPA Est.	HMIS Est.
Health: 2	Health: 2
Fire: 3	Fire: 3
React: 0	React: 0

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist
EYE or SKIN contact with the product, vapor, or spay mist
EFFECTS OF OVEREXPOSURE
EYES: irritation, redness
SKIN: irritation, redness
INHALATION: headaches or dizziness

Signal word Danger

Hazard statement Harmful if swallowed Harmful in contact with skin. Causes severe eye damage. Highly flammable liquid and vapor.

Precautionary statement

Prevention Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye protection. No smoking. Keep away from heat, sparks and open flames.

Response **Principal routes of exposure:** Eye contact, Skin contact, Inhalation, Ingestion.
Skin: Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.
Eyes: Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation: If symptoms occur move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention promptly.
Ingestion: If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention at once.

Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container to an approved waste disposal plant.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Polymer A-1	Proprietary	12-18
Polymer A-2	Proprietary	6-9
Ethyl Alcohol	64-17-5	6-9
t-Butyl Acetate	540-88-5	48-60
Polymer A-3	Proprietary	9-12
Polymer A-4	Proprietary	7-12

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation Remove affected person to fresh air. Seek immediate medical attention if breathing difficulties occur. Also keep patient half sitting with upper body raised.

Skin contact In case of skin contact, wash thoroughly with water or soap and water if available. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

Eye contact Check for and remove any contact lens. Immediately flush eyes with plenty of water for at least 15 minutes lifting eyelids occasionally. Get medical attention.

Ingestion If accidentally swallowed, rinse mouth thoroughly with water and, afterwards, drink plenty of water. In case of discomfort, obtain medical attention. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel.

5. Fire-fighting measures

Flash Point	LEL	UEL	Flammability Classification
<25 ℃(77 °F)	NA	NA	Red Label – Flammable Flash below 100 °F (38 ℃)

Suitable extinguishing media Dry chemical, alcohol foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors. Do not release runoff from fire to drains or watercourses.

Specific hazards during fire fighting Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Closed containers may explode when exposed to extreme heat. This material may produce a floating fire hazard sensitive to static discharge.

Unusual fire and explosion hazards Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Closed containers may explode when exposed to extreme heat. This material may produce a floating fire hazard sensitive to static discharge.

Special firefighting procedures In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental release measures

Dike area to prevent spreading. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not flush to sewer! Dispose of as a chemical waste in accordance with current local, state and federal regulations.

7. Handling and storage

DOT STORAGE CLASS: class 3
PROPER DOT SHIPPING NAME: Coating Solution

Precautions for safe handling	Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks, flames and other sources of ignition. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Avoid storage over 80° F, contamination with incompatible materials. Keep containers tightly closed in a cool, well ventilated place. Protect from moisture. Avoid all sources of ignition. Residual vapors might explode on ignition. Do not apply heat, cut, drill, and grind or weld on or near this container. Keep container closed when not in use. (see Section 10 of the SDS).
Advice on protection against fire and explosion	Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

8. Exposure controls/personal protection

Components	Type	Value
Ethyl Alcohol		1000 ppm
t-Butyl Acetate		200 ppm

Eye/face protection	Do not wear contact lenses. Chemical safety goggles or splash shields are recommended.
Skin protection	Avoid skin contact. Wear butyl-rubber gloves and impervious protective clothing.
Ventilation system	Positive fresh air exhaust should be provided in the work area. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.
Precautions to be taken in use	Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

9. Physical and chemical properties

Appearance

Physical state	Clear to amber, slightly milky liquid
Form	Liquid.
Color	Clear to amber.

Odor	Mild fruity
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	<68 ºF
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor density	Not available
Relative density	8.3-8.7 lb/gal (77 °F (25 °C))
Solubility(ies)	
Solubility (water)	Insoluble
Auto-ignition temperature	Not available
Decomposition temperature	Not available.
Viscosity	Not available
VOC content (%)	<0.83 lb/gal

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	may occur
Incompatible materials	Oxidizers, alkalis, acids, aliphatic amines, nitrates, water
Hazardous decomposition products	Oxides of carbon and nitrogen.

11. Toxicological information

Ingredient	Target Organs	IARC CATEGORY
Polymer A-1	IRR, LIV, KID	NO
Polymer A-2	IRR, LIV, KID	NO
Ethyl Alcohol	HEART, IRR, LIV, KID	NO
t-Butyl Acetate	IRR	NO
Polymer A-3	NONE	NO
Polymer A-4	NONE	NO

ABBREVIATIONS:
IRR = Irritant
LIV = Liver
KID = Kidney

Toxicity to Animals
Oral LD 50

Ethyl alcohol	2000 mg/kg rabbit

Dermal LD 50

Ethyl alcohol	20,000 mg/kg rabbit

12. Ecological information

Ecotoxicity

No data available

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

DOT and IATA Hazard Classification: Class 3 PG II Flammable Liquid
Proper DOT Shipping Name: Coatings Solution
Identification Number: **DOT –** UN 1139 **IATA** – UN 1139

15. Regulatory information

SARA 313 *(40 CFR 372.65C)* SUPPLIER NOTIFICATION

CAS number	Chemical Compound
64-17-5	Ethyl Alcohol
540-88-5	t-Butyl Acetate

CALIFORNIA PROPOSITION 65

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

16. Other information, including date of preparation or last revision

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

IMPORTANT

LIABILITY DISCLAIMER

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.