

Safety Data Sheet

Product Name: Quantum 1 LR

Product identifier: 100495

Revision Date: 12-05-2016

Replaces:

EVERCOAT®

1. Identification

Product identifier used on the label:

Product Name: Quantum 1 LR

Product identifier: 100495

Other means of identification

Synonyms: No data available

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Chemical Manufacturer /
Importer / Distributor: ITW Evercoat
a division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, OH 45242
513-489-7600

Emergency phone number: CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard
Symbols:



GHS Classification: Skin Sensitisation Category 1
Reproductive Toxicity Category 1B
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A
Germ Cell Mutagenicity Category 2
Carcinogenicity Category 2
Hazardous to the aquatic environment - Acute Category 3

GHS Signal Word: Danger

GHS Hazard Statements: Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of causing genetic defects.

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Suspected of causing cancer.
May damage fertility or the unborn child.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.
Harmful to aquatic life.

GHS Precautionary Statements:

Safety Precautions:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures:

IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

Hazards not otherwise classified:

No data available

3. Composition/information on ingredients

Chemical Component:	CAS number and other unique identifiers	% (or range) of ingredient
Styrene	100-42-5	10 - 30
Titanium dioxide	13463-67-7	1 - 5
Acid anhydride	85-43-8	0.5 - 1.5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Eye Contact: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

Most important symptoms/effects, acute and delayed:

Most important symptoms/effects (Acute): No data available

Most important symptoms/effects (Delayed): No data available

Indication of immediate medical attention and special treatment needed, if necessary: No additional first aid information available

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Carbon dioxide Alcohol foam Dry chemical

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Fire and/or Explosion Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition

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Hazardous Combustion

Products:

Special protective equipment and precautions for fire-fighters:

and flash back.

Carbon dioxide, Carbon monoxide

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use methods for the surrounding fire.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:

No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

Methods and materials for containment and cleaning up:

No special spill clean-up considerations. Collect and discard in regular trash. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. Handling and storage

Precautions for safe handling:

Mildly irritating material. Avoid unnecessary exposure. Use spark-proof tools and explosion-proof equipment. Minimize dust generation and accumulation. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Conditions for safe storage, including any incompatibilities

Conditions for safe storage:

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition. Keep container closed when not in use.

Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents Peroxides Strong acids Acids Aluminum alloys Ammonia Metals

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8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Styrene	100 ppm	20 ppm	40 ppm STEL; 170 mg/m ³ STEL
Titanium dioxide	15 mg/m ³	10 mg/m ³	No data available

Appropriate engineering controls:

No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

Individual protection measures, such as personal protective equipment:

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. Wear splash-proof safety goggles if material could be misted or splashed into eyes. Wear goggles if dusts can reach the exposure limit.

Skin Protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

Other Protective Equipment:

Wear splash-proof safety goggles if material could be misted or splashed into eyes. Wear goggles if dusts can reach the exposure limit.

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9. Physical and chemical properties

Appearance (physical state, color, etc.):

Appearance (physical state):	No data available
Color:	No data available
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting Point/Freezing Point (°C):	No data available
Initial Boiling Point and Boiling Range (°C):	145
Flash Point (°C):	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper Flammable/Explosive Limit (%):	6.1 % 7
Lower Flammable/Explosive Limit (%):	1.1 %
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	Not determined
Solubility(ies):	Minimal; 1-9%
Partition coefficient: n-octanol/water:	1.36
Auto-ignition Temperature (°C):	No data available
Decomposition Temperature:	No data available
Viscosity:	96,000 - 114000

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid (e.g., static discharge, shock, or vibration):	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination
Incompatible materials:	Strong oxidizing agents Peroxides Strong acids Acids Aluminum alloys Ammonia Metals
Hazardous decomposition products:	Carbon dioxide, Carbon monoxide

11. Toxicological information

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Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Eye contact, Skin contact, Inhalation, Ingestion

Symptoms related to the physical, chemical and toxicological characteristics: No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause mechanical irritation if dusts are generated.

Inhalation Toxicity: Harmful! Can cause systemic damage (see "Target Organs")

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Skin Absorption: No absorption hazard in normal industrial use.

Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue. Can cause mechanical irritation if dusts are generated.

Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Ingestion Toxicity: Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity: Suspected of causing cancer.

Reproductive and Developmental Toxicity: May damage fertility or the unborn child.

Mutagenicity: Suspected of causing genetic defects.

Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")

Skin Contact: Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Skin Absorption: Upon prolonged or repeated exposure, no hazard in normal industrial use.

Numerical measures of toxicity (such as acute toxicity estimates)

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Styrene	Oral LD50 Rat 5000 mg/kg		Inhalation LC50 (4h) Rat 24 g/m ³
Acid anhydride	Oral LD50 Rat 5410 mg/kg		

Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
Styrene	N	Y	Y

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Replaces:

Titanium dioxide	N	Y	N
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12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): Toxic to aquatic life.
Persistence and degradability: No data available
Bioaccumulative potential: No data
Mobility in soil: No data available
Other adverse effects (such as hazardous to the ozone layer): No data available

Ecological Toxicity Data

Chemical Component	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Titanium dioxide	Aquatic EC50 (48h) Daphnia > 1000 ml/l		Aquatic LC50 (96h) > 1000 MG/L

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Description of waste residues: Spent or discarded material is a hazardous waste.
Waste treatment methods (including packaging): Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal Code(s): D001

14. Transport information

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (STYRENE)
Transport hazard class(es): 3
Packing group: III

The shipper is responsible for following all applicable regulations. The transportation classification provided is based on ITW Evercoat original packaging, which is suitable for domestic ground transport only.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

TSCA Status: All components in this product are on the TSCA Inventory.

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Regulated Components

Chemical Component	CAS number and other unique identifiers	CERCLA	SARA EHS	SARA 313	California Prop 65
Styrene	100-42-5	N	N	Y	Y
Titanium dioxide	13463-67-7	N	N	Y	Y
Crystalline Silica (Quartz)	14808-60-7	N	N	N	Y
Styrene Oxide	96-09-3	N	N	Y	Y

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

Revision Date: 12-05-2016

Revision Number: 10

Disclaimer: NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances