

Material Safety Data Sheet

1. Substance/preparation and company identification

LotusEffect – Clear Waterproofing Sealer

Company:

Campbridge Paints Incorporated
29-D General Tirona Street, Caloocan City, Philippines
Telephone: (632) 252-0531 (connecting all departments)
Fax number: (632) 252-0551
Email: campbridge@campbridge.com
Website: www.campbridge.com

2. Hazard identification

Physical and Chemical Hazards:

Irritating to eyes. Aerosols of this product have a high potential for inhalative toxicity. Therefore, any exposure must be avoided while spraying the product and its mixtures. It is therefore strictly necessary to wear respiratory protection while spraying.

GHS Classification

Serious damage/eye irritation: Category 2

GHS-Labeling



Signal Word

warning

Hazard Statements

Causes serious eye irritation.

Precautionary statements:

Precautionary Statement Prevention:

-Wash thoroughly after handling. Wear eye protection/face protection.

Precautionary Statement Response:

-Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Precautionary Statement Disposal:

-Dispose of contents/container to approved incineration

3. Composition/information on ingredients

Pure substance/mixture:Mixture

Precautionary Statement: Aqueous emulsion of amino functional polysiloxane.

4. First-Aid Measures

Inhalation:

After inhalation of aerosol/mist seek medical advice immediately.

Skin Contact:

Wash area with soap and water. Wash contaminated clothing before reuse.

Eye contact:

Rinse immediately with plenty of water and seek medical advice. If eye irritation persists, get medical advice/attention.

Ingestion:

Do not induce vomiting. Rinse mouth

5. Fire-Fighting Measures

Suitable extinguishing media:

All standard extinguishing agents are suitable.

Special fire fighting procedures:

Use standard fire fighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions protective equipment and emergency procedures:

Use personal protective equipment. Caution: Contaminated surfaces may be slippery.

Environment precautions:

Avoid release to the environment.

Methods for cleaning up:

Collect spillage with granulates, sawdust, rags or other absorbent. Flush away spillage with plenty of water.

7. Handling and Storage

General Handling:

Advice on safe handling:

Wear appropriate personal protective equipment. Do not breath vapour/spray.

Storage:

Requirements for storage areas and containers:

Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions:

Sensitive to frost from 0°C.

8. Exposure controls and personal protection

Engineering measures:

Eyewash bottle with clean water.

Respiratory protection:

Breathing apparatus needed only when aerosol or mist is formed. Suitable mask with particle filter P# (European Norm 143)

Eye Protection:

Safety glasses with side-shields conforming to EN166

Skin and body protection: Long sleeves

Hygiene measured:

Avoid contact with skin and eyes. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

9. Physical and chemical Properties

Form:	Liquid
Colour:	White
Odour:	Faint
Melting point:	Melting Point (0°C) ca.0°C
Boiling point/boiling range:	100°C at 1.013 hPa Method: No data available.
Flash point:	>100°C
Density:	ca.0.98 g/cm ³
Thermal decomposition:	No decomposition if stored and applied as directed.

10. Stability and Reactivity

Conditions to avoid:	No data available.
Materials to avoid:	No data available.
Further decomposition:	No decomposition if stored and applied as directed.

11. Toxicological Information

Acute oral toxicity:	No data available.
Acute inhalation:	No data available.
Acute dermal toxicity:	No decomposition if stored and applied as directed.
Skin irritation:	No data available.
Eye irritation:	No data available.

Sensitization: No data available.

Further information:

Octamethylcyclotetrasiloxane (D4) Ingestion: Rodents given large doses via oral gavage of octamethylcyclotetrasiloxane (1600mg/kg/day, 14 days), developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appears normal) as well as hypertrophy (increased cell size).

Inhalation: In inhalation studies, laboratory laboratory rodents exposed to octamethylcyclotetrasiloxane (300 ppm five days/week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. This response in rats, which does not affect the animal's health, is well-documented and widely recognized. It is related to an increase of liver enzymes that metabolize and eliminate a material from the body. The increased liver weight reverses even while the D4 exposure continues. The finding is not adverse, but is considered a natural adaptive change in rats, and does not represent a hazard to humans. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation), with D4. Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 clinical signs were observed in the pups and no exposure related pathological findings were found. Interim results from a two generation reproductive study in rats exposed to 500 and 700 ppm D4 (whole body inhalation, 70 days prior mating, through mating, gestation and lactation) resulted in a statistically significant decrease in live mean litter size as well as expected periods of off-spring delivery (dystocia). These results were not observed at the 70 and 300 ppm dosing levels. Extensive additional research has demonstrated that the mode by which D4 acts in rats is different than in humans, and therefore, these findings do not indicate that D4 represents hazard for humans. A two year combined chronic/carcinogenicity study, during which rats were exposed to D4 by inhalation, data showed a statistically significant increase in a benign uterine tumor in female rats exposed at the highest level—a level much higher than the low levels that consumers or workers may encounter. An expert panel of independent scientists who have reviewed the results of this research concur that the finding seen in two-year study occurred through a biological pathway that is specific to the rat and is not relevant to humans. Therefore, this observed effect does not indicate a potential health hazard to humans. In developmental toxicity studies, rats and rabbits were exposed to D4 at concentrations up to 700 ppm and 500 ppm, respectively. No teratogenic effects (birth defects) were observed in either study.

12. Ecological Information

Additional ecological information: Ecotoxicological data for this product is not available.

13. Disposal Considerations

Product: According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

Contaminated packaging: Dispose of as unused product.

14. Transport Information

Further Information:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

Keep away from foodstuffs and animal feed.

Sensitive to frost from 0°C.

Irritating to eyes.

15. Regulatory Information

Inventories

Australia Inventory of Chemical Substances (AICS) y (positive listing)

Eu list of existing chemical Substances y (positive listing)

The mixture contains a polymer. The monomers for this polymer have been notified.

Japan Inventory of Existing & New Chemical Substances (ENCS) y (positive listing)

China Inventory of Existing Chemical Substances y (positive listing)

Korea Existing Chemicals Inventory (KECI) y (positive listing)

Canada DSL Inventory y (positive listing)

Canada NDSL Inventory n (Negative listing)

Chemical Substances (PICCS)

TSCA list y (positive listing) On TSCA Inventory

Applicable Laws and Regulation Information for China

Regulations on Safety Administration of Hazardous Chemicals, Decree No. 591 of the State Council.

GB/T 16483: Safety data sheet for chemical products – Content and order of sections

GB 15258: General rules for preparation of precautionary label for industrial chemicals

GB 20576-GB 20602: Safety rules for classification, precautionary labelling and precautionary statements of chemicals

GB 13690: General rule for classification and hazard communication of chemicals

GB 12268: List of dangerous goods

GB 6944: Classification and code of dangerous goods

GB 190: Labels for packages of dangerous goods

GB/T 15098: Occupational Exposure Limits for Hazardous Agents in the Workplace, Part 1, Chemical Hazardous Agents

16. Other Information

Literature Reference: ACGIH TLV for Chemical Substances
Chemical safe administration data book (The chemical Daily Co., Ltd.)

Precautions: This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.

Other precautions: Other (an address, and telephone and fax numbers for information, references). The information herein is made based on references, information and data available at present. It may be revised when new information is available. The descriptions herein are formal handling. For special applications, make safety provisions suitable to them prior to use. The physical properties and other values indicated on this document are average values expected for the product and are not guaranteed.

Further Information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.