

SECTION 1: IDENTIFICATION

Product identifier

Trade name: Ultraseal.
Product code: No other identifiers.

Recommended use and restriction on use

Recommended use: Coating compound/ Surface coating/ paint.
Restrictions on use: No relevant information available.

Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Trends Design USA Inc
14037 SW 84th STREET
MIAMI FL 33183

Phone: 305-552-7026.
Emergency telephone number: Infotrac Emergency Hotline: 1-800-535-5053.

SECTION 2: HAZARD(S) IDENTIFICATION

Acute Tox. 4	H332	Harmful if inhaled.
Skin Corr. 1C	H314	Causes severe skin burns and eye damage.
STOT SE 3	H335	Causes severe skin burns and eye damage.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



GHS05



GHS07

Signal word: **Danger.**

Hazard-determining components of labeling:

Hexane, 1,6-diisocyanato-, homopolymer
Cyclohexanemethanamine, 1,3,3-trimethylhexamethylene-di-isocyanate

Hazard statements:

H332: Harmful if inhaled.
H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.

Precautionary statements:

P260: Do not breathe mist/vapors/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection.
P271: Use only outdoors or in a well-ventilated area.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363: Wash contaminated clothing before reuse.
P312: Call a POISON CENTER/doctor if you feel unwell.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P405: Store locked up.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards: There are no other hazards not otherwise classified that have been identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Components:		
28182-81-2	Hexane, 1,6-diisocyanato-, homopolymer Acute Tox. 4, H332; STOT SE 3, H335	50-100%
54914-37-3	Cyclohexanemethanamine, 1,3,3-trimethyl-Skin Corr. 1B, H314; Eye Dam. 1, H318 Flam. Liq. 4, H227	<10%
145899-78-1	3-Oxazolidineethanol, 2-(1-methylethyl)-, carbonate (2:1) (ester) Eye Dam. 1, H318	<5%
822-06-0	hexamethylene-di-isocyanate Acute Tox. 1, H330 Resp. Sens. 1, H334 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	<0.5%

Additional information:

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret. For the wording of the listed Hazard Statements refer to section 16.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

After inhalation: Supply fresh air.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
After skin contact: Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. Seek immediate medical help for blistering or open wounds.
After eye contact: Protect unharmed eye. Immediately remove contact lenses if possible. Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.
Most important symptoms and effects, both acute and delayed: Asthma attacks. Allergic reactions. Breathing difficulty. Coughing. Caustic effect on skin and mucous membranes. May cause respiratory irritation.
Danger: Danger of gastric perforation. Danger of impaired breathing. Causes serious eye damage. Toxic if inhaled.

Indication of any immediate medical attention and special treatment needed:

Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible. Medical supervision for at least 48 hours. If necessary oxygen respiration treatment. Later observation for pneumonia and pulmonary edema. Contains hexamethylene-di-isocyanate. May produce an allergic reaction. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Foam. Gaseous extinguishing agents. Carbon dioxide. Water fog / haze. Fire-extinguishing powder.
For safety reasons unsuitable extinguishing agents: Water stream.

Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.
Additional information: Cool endangered receptacles with water fog.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Isolate area and prevent access.

Environmental precautions: Avoid release to the environment.

Methods and material for containment and cleaning up:

Allow to solidify. Pick up mechanically. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections:

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: HANDLING and STORAGE

Handling

Precautions for safe handling: Prevent formation of aerosols.
 Avoid splashes or spray in enclosed areas.
 Use only in well ventilated areas.

Information about protection against explosions and fires:
 No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:
 Provide ventilation for receptacles.
 Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:
 Store away from foodstuffs.
 Do not store together with oxidizing and acidic materials.

Further information about storage conditions: Keep containers tightly sealed.
 Protect from humidity and water.

Specific end use(s): No relevant information available.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Control parameters

Components with limit values that require monitoring at the workplace:
 822-06-0 hexamethylene-di-isocyanate

REL (USA)	Long-term value: 0.035 mg/m ³ , 0.005 ppm Ceiling limit value: 0.14* mg/m ³ , 0.02* ppm*10-min
TLV (USA)	Long-term value: 0.034 mg/m ³ , 0.005 ppm BEI
EL (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.01 ppm S
EV (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.02 ppm
LMPE (Mexico)	Long-term value: 0.005 ppm

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.

Engineering controls: Provide adequate ventilation.

Breathing equipment: Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection: Contact lenses should not be worn.
 Follow relevant national guidelines concerning the use of protective eyewear.

Body protection: Protective work clothing.

Limitation and supervision of exposure into the environment:
 No relevant information available.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Form:	Liquid.
Colour:	According to product specification.
Odor:	Characteristic.
Odor threshold:	Not determined.
PH-Value:	Not determined.
Melting point / Melting Range:	Not determined.
Boiling Point and Boiling Range:	Not determined.
Flash point:	> 120 °C (> 248 °F) (Estimate).
Flammability (solid, gaseous):	Not applicable.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.



Ultraseal
 Polyurea Top Coat
 100% Solid

Explosion limits

Lower:	Not determined.
Upper:	Not determined.
Oxidizing properties:	Not determined.
Vapor pressure:	Not determined.
Density at 20 °C (68 °F):	1.1 ± 0.1 g/cm ³ (9.18 ± 0.835 lbs/gal).
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	>94 °C (201 °F).
Evaporation rate:	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.

Viscosity

Dynamic:	Not determined.
Kinematic:	Not determined.
Other information	No relevant information available.

SECTION 10: STABILITY and REACTIVITY

Reactivity:	No relevant information available.
Chemical stability:	Stable under normal temperatures and pressures.
Thermal decomposition / conditions to be avoided:	
No decomposition if used and stored according to specifications. Heating may cause release of toxic fumes.	
Possibility of hazardous reactions:	
Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents. Contact with acids releases toxic gases.	
Conditions to avoid:	Excessive heat.
Incompatible materials:	Strong acids. Oxidizers
Hazardous decomposition products:	
Under fire conditions only: Carbon monoxide and carbon dioxide. Hydrogen cyanide (prussic acid). Nitrogen oxides (NOx). Ammonia.	

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:		
LD/LC50 values that are relevant for classification:		
	28182-81-2 Hexane, 1,6-diisocyanato-, homopolymer	
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
	54914-37-3 Cyclohexanemethanamine, 1,3,3-trimethyl-	
Oral	LD50	4150 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rat)

145899-78-1 3-Oxazolidineethanol, 2-(1-methylethyl)-, carbonate (2:1) (ester)
 Oral LD50 2500 mg/kg (rat) (Estimate)

822-06-0 hexamethylene-di-isocyanate
 Oral LD50 959 mg/kg (rat)
 Dermal LD50 593 mg/kg (rat)
 Inhalative LC50/4h 124 mg/m3 (rat)

822-06-0 hexamethylene-di-isocyanate
 Oral LD50 32 mg/kg (rat)

Primary irritant effect
 On the skin: Irritant to skin and mucous membranes.
 On the eye: Strong irritant with the danger of severe eye injury.
 Sensitization: Based on available data, the classification criteria are not met.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed.

Probable route(s) of exposure:
 Ingestion. Inhalation. Eye contact. Skin contact.

Acute effects (acute toxicity, irritation and corrosivity):
 Causes severe skin burns and eye damage.
 Harmful if inhaled.
 Irritating to respiratory system.

Repeated dose toxicity: Repeated exposure may result in skin sensitivity.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: May cause respiratory irritation.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No relevant information available.
Persistence and degradability: No relevant information available.
Bioaccumulative potential: No relevant information available.
Mobility in soil: No relevant information available.

Additional ecological information

General notes: Avoid release to the environment.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects: No relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Recommendation:
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

UN-Number

DOT, ADR, IMDG, IATA: UN3066.

UN Number

Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

DOT, IATA: Paint related material.

ADR 3066: PAINT RELATED MATERIAL.

IMDG: PAINT RELATED MATERIAL.

Transport hazard class(es)

DOT
Class: 8 Corrosive substances.
Label: 8.

ADR

Class: 8 (C9) Corrosive substances.
Label: 8.

IMDG, IATA

Class: 8 Corrosive substances.
Label: 8.

Packing group

DOT, ADR, IMDG, IATA: III.

Environmental Hazards

Marine pollutant: No.

Special precautions for user Warning: Corrosive substances.

Danger code (Kemler): 80.

EMS Number: F-A,S-B.

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information:

IATA Limited quantity by air: 1L.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

United States (USA)

SARA

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California)

Chemicals known to cause cancer: Present in trace quantities. 100-41-4 ethylbenzene.

Chemicals known to cause reproductive toxicity for females: Present in trace quantities. 108-88-3 toluene.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: Present in trace quantities. 108-88-3 toluene.

Carcinogenic categories

EPA (Environmental Protection Agency): None of the ingredients are listed.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients are listed.

Canada

Canadian substance listings

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): 822-06-0 hexamethylene-di-isocyanate

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients are listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: ADDITIONAL INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision: 02/01/2016 / -

Abbreviations and acronyms

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG:	International Maritime Code for Dangerous Goods.
DOT:	US Department of Transportation.
IATA:	International Air Transport Association.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
LC50:	Lethal concentration, 50 percent.
LD50:	Lethal dose, 50 percent.
PBT:	Persistent, Bioaccumulative and Toxic.
vPvB:	very Persistent and very Bioaccumulative.
NIOSH:	National Institute for Occupational Safety.
OSHA:	Occupational Safety & Health.
Flam. Liq. 4:	Flammable liquids, Hazard Category 4.
Acute Tox. 1:	Acute toxicity, Hazard Category 1.
Acute Tox. 4:	Acute toxicity, Hazard Category 4.
Skin Corr. 1B:	Skin corrosion/irritation, Hazard Category 1B.
Skin Corr. 1C:	Skin corrosion/irritation, Hazard Category 1C.
Skin Irrit. 2:	Skin corrosion/irritation, Hazard Category 2.
Eye Dam. 1:	Serious eye damage/eye irritation, Hazard Category 1.
Eye Irrit. 2:	Serious eye damage/eye irritation, Hazard Category 2.
Resp. Sens. 1:	Sensitisation - Respirat., Hazard Category 1.
Skin Sens. 1:	Sensitisation - Skin, Hazard Category 1.
STOT SE 3:	Specific target organ toxicity - Single exposure, Hazard Category 3.

Sources

Website, European Chemicals Agency (echa.europa.eu).

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do).

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org).

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers.

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