Reviewed on 12/18/2015

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015

1 Identification

· Product identifier

· Trade name: Seal-Krete HP Clear-Shell

· Article number: 246001, 246801

· Recommended use and restriction on use

· Recommended use: Concrete paint/ concrete coating · Restrictions on use: No relevant information available.

· Details of the supplier of the Safety Data Sheet

· Manufacturer/Supplier:

Convenience Products, Seal-Krete Division

306 Gandy Road Auburndale, FL 33823

Phone: 863-967-1535 Toll-Free: 1-800-323-7357

· Emergency telephone number:

ChemTel Inc.

+1 (800)255-3924, +1 (813)248-0585



2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids - Category 3 H226 Flammable liquid and vapour.



GHS08 Health hazard

Reproductive Toxicity - Category 2 H361 Suspected of damaging fertility or the

unborn child.



Category 3

GHS07

Acute Toxicity (Inhalation) - Category 4 H332 Harmful if inhaled.

Skin Sensitizer - Category 1 H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure - H335 May cause respiratory irritation.

Additional information:

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

- · Label elements
- · GHS label elements

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

(Cont'd. on page 2)

(Cont'd. of page 1)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

Hazard pictograms:







GHS02 GHS07 GHS08

· Signal word: Warning

· Hazard-determining components of labeling:

Hexane, 1,6-diisocyanato-, homopolymer

4-chloro- α , α , α -trifluorotoluene hexamethylene-di-isocyanate

· Hazard statements:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H335 May cause respiratory irritation.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P261 Avoid breathing mist, vapors, or spray.

P280 Wear protective gloves/protective clothing/eye protection.

P233 Keep container tightly closed.

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 [or shower].

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

(Cont'd. on page 3)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

	(Cont'c	d. of page 2)
· Dangerous	components:	
98-56-6	4-chloro-α,α,α-trifluorotoluene Flammable Liquids - Category 3, H226 Skin Sensitizer - Category 1, H317	50-75%
28182-81-2	Hexane, 1,6-diisocyanato-, homopolymer Acute Toxicity (Inhalation) - Category 4, H332; Specific Target Organ Toxicity - Single Exposure - Category 3, H335	30-50%
68928-76-7	dimethylbis[(1-oxoneodecyl)oxy]stannane Reproductive Toxicity - Category 2, H361; Specific Target Organ Toxicity - Repeated Exposure - Category 1, H372 Acute Toxicity (Oral) - Category 4, H302	<1%
822-06-0	hexamethylene-di-isocyanate Acute Toxicity (Inhalation) - Category 1, H330 Respiratory Sensitizer - Category 1, H334 Acute Toxicity (Oral) - Category 4, H302; Skin Irritation - Category 2, H315; Eye Irritation - Category 2, H319; Skin Sensitizer - Category 1, H317; Specific Target Organ Toxicity - Single Exposure - Category 3, H335	<1%

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.

4 First-aid measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air or oxygen; call for doctor.

Do not use mouth to mouth or mouth to nose resuscitation.

Use a respiration bag or breathing device.

Provide oxygen treatment if affected person has difficulty breathing.

In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation or rash occurs: Get medical advice/attention.

· After eye contact:

Immediately remove contact lenses if possible.

Rinse opened eye for several minutes under running water. If symptoms persist, 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:

Headache

Breathing difficulty

(Cont'd. on page 4)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 3)

Dizziness

Coughing

Allergic reactions

Nausea in case of ingestion.

Gastric or intestinal disorders when ingested.

Vomiting.

Diarrhea.

Disorientation

Danger:

Danger of impaired breathing.

Danger of pneumonia.

Danger of pulmonary edema.

Danger through skin absorption.

Harmful if inhaled.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

Suspected of damaging fertility or the unborn child.

· Indication of any immediate medical attention and special treatment needed:

Later observation for pneumonia and pulmonary edema.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Contains Hexane, 1,6-diisocyanato-, homopolymer, hexamethylene-di-isocyanate, 4-chloro- α , α , α -trifluorotoluene. May produce an allergic reaction.

If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

Water fog / haze

Foam

Carbon dioxide

Gaseous extinguishing agents

Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents:

Water stream.

Water spray

· 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.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

· Additional information:

Eliminate all ignition sources if safe to do so.

Cool endangered receptacles with water fog.

In case of fire involving large quantities, evacuate area and fight fire from the upwind side.

(Cont'd. on page 5)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 4)

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation.

Use personal protective equipment as required.

Particular danger of slipping on leaked/spilled product.

- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

· 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.

7 Handling and storage

- · Handling
- · Precautions for safe handling:

Use only in well ventilated areas.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Information about protection against explosions and fires:

Flammable liquid and vapor.

Keep ignition sources away - Do not smoke.

Emergency cooling must be available in case of nearby fire.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

Keep respiratory protective device available.

- Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and receptacles:

Store in a cool location.

Protect from humidity and water.

Provide ventilation for receptacles.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

Do not store together with acids.

Do not store together with alkalis (caustic solutions).

- · Further information about storage conditions: Keep containers tightly sealed.
- Specific end use(s): No relevant information available.

(Cont'd. on page 6)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 5)

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters

· Components w	· Components with limit values that require monitoring at the workplace:				
822-06-0 hexamethylene-di-isocyanate					
REL (USA)	Long-term value: 0.035 mg/m³, 0.005 ppm Ceiling limit value: 0.14* mg/m³, 0.02* ppm *10-min				
TLV (USA)	Long-term value: 0.034 mg/m³, 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.

Pregnant women should strictly avoid inhalation or skin contact.

- · Engineering controls: No relevant information available.
- · Breathing equipment:



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

Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Neoprene gloves

PVA gloves

· Not suitable are gloves made of the following materials:

Nitrile rubber, NBR

Natural rubber, NR

(Cont'd. on page 7)

(Cont'd. of page 6)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

PVC gloves

Eye protection:



Safety glasses

- · Body protection: Protective work clothing
- · Limitation and supervision of exposure into the environment Avoid release to the environment.
- · Risk management measures See Section 7 for additional information.

Information on basic physical and	chemical properties
General information	Chemical properties
Appearance:	
Form:	Liquid
Color:	Clear
Odor:	Odorless
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition:	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
Flash point:	42.78 °C (109 °F) (PMCC)
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.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Oxidizing properties:	Non-oxidizing.
Vapor pressure:	Not determined.
Density at 20 °C (68 °F):	1.263 g/cm³ (10.54 lbs/gal)
Relative density:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with:	
Water:	Slowly reacts with water.

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Reviewed on 12/18/2015 Printing date 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 7)

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. Kinematic: Not determined.

VOC content: <10 g/L (Method 24 and actual) · Other information No relevant information available.

10 Stability and reactivity

- · Reactivity: No relevant information available.
- · Chemical stability:
- · Thermal decomposition / conditions to be avoided: Moist conditions
- Possibility of hazardous reactions:

Reacts with alcohols.

Reacts with amines.

Reacts with alkali (lyes).

Reacts with acids.

Reacts with oxidizing agents.

Reacts with peroxides and other radical forming substances.

· Conditions to avoid:

Avoid acids.

Store away from oxidizing agents.

- · Incompatible materials: Oxidizers, strong bases, strong acids
- · Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

Ammonia

Toxic metal oxide smoke

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

Acute to	Aloity.						
· LD/LC50	· LD/LC50 values that are relevant for classification:						
28182-81	28182-81-2 Hexane, 1,6-diisocyanato-, homopolymer						
Oral	LD50	>5000 mg/kg (rat)					
Dermal	LD50	>5000 mg/kg (rabbit)					
68928-76	68928-76-7 dimethylbis[(1-oxoneodecyl)oxy]stannane						
Oral	LD50	894 mg/kg (rat)					
Dermal	LD50	> 2000 mg/kg (rabbit)					
822-06-0	hexamet	thylene-di-isocyanate					
Oral	LD50	959 mg/kg (rat)					
Dermal	LD50	593 mg/kg (rat)					
		(Cont'd, on page 9)					

(Cont'd. on page 9)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 8)

Inhalative LC50/4h 124 mg/m3 (rat)

- Primary irritant effect:
- · On the skin: Based on available data, the classification criteria are not met.
- · On the eye: Based on available data, the classification criteria are not met.
- · Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

- Carcinogenic categories
- 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.

Eve contact.

Skin contact.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Reproductive Toxicity - Category 2

- · Carcinogenicity: Based on available data, the classification criteria are not met.
- · **Reproductive toxicity:** Suspected of damaging fertility or the unborn child.
- · **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.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: Toxic for aquatic organisms
- · Persistence and degradability: No relevant information available.
- · Behavior in environmental systems
- · Bioaccumulative potential: No relevant information available.
- · Mobility in soil: No relevant information available.
- · Ecotoxical effects:
- · Remark: Harmful to fish
- · Additional ecological information
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

(Cont'd. on page 10)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 9)

· Other adverse effects: No relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

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.

14 Transport information

· UN-Number

· DOT Not regulated.

Reclassified as combustible under US DOT regulations. Labeling is only required for single packages ≥119 US gal / 450 L to include Combustible symbol and Proper Shipping

Name.

· ADR, IMDG, IATA UN2234

· UN proper shipping name



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

· DOT Not regulated.

· ADR 2234 CHLOROBENZOTRIFLUORIDES,

ENVIRONMENTALLY HAZARDOUS

· IMDG CHLOROBENZOTRIFLUORIDES, MARINE POLLUTANT

·IATA **CHLOROBENZOTRIFLUORIDES**

· Transport hazard class(es)

· DOT

· Class Not regulated.

· ADR





Class 3 (F1) Flammable liquids

(Cont'd. on page 11)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

	(Cont'd. of page 10
· Label	3
·IMDG	
*	
· Class	3 Flammable liquids
· Label	3
·IATA	
· Class	3 Flammable liquids
· Label	3
· Packing group · DOT · ADR, IMDG, IATA	Not regulated. III
· Environmental hazards	Product contains environmentally hazardous substances: 4 chloro-α,α,α-trifluorotoluene
· Marine pollutant: · Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
· Special precautions for user	Warning: Flammable liquids
Danger code (Kemler):	30_
· EMS Number:	F-E,S-D
· Segregation groups	Liquid halogenated hydrocarbons
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	v II of Not applicable.
· UN "Model Regulation"	UN 2234 CHLOROBENZOTRIFLUORIDES, 3, III

15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture
- **United States (USA)**
- ·SARA
- · Section 302 (extremely hazardous substances):

None of the ingredients are listed.

· Section 304 (emergency release notification):

None of the ingredients are listed.

· Sections 311/312 (hazardous chemical threshold planning quantity in pounds):

None of the ingredients are listed.

(Cont'd. on page 12)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 11)

· 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:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· 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.

16 Other 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 12/18/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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

(Cont'd. on page 13)

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date 12/18/2015 Reviewed on 12/18/2015

Trade name: Seal-Krete HP Clear-Shell

(Cont'd. of page 12)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

Flammable Liquids - Category 3: Flammable liquids, Hazard Category 3 Acute Toxicity (Inhalation) - Category 1: Acute toxicity, Hazard Category 1 Acute Toxicity (Inhalation) - Category 4: Acute toxicity, Hazard Category 4
Skin Irritation - Category 2: Skin corrosion/irritation, Hazard Category 2

Eye Irritation - Category 2: Serious eye damage/eye irritation, Hazard Category 2 Respiratory Sensitizer - Category 1: Sensitisation - Respirat., Hazard Category 1
Skin Sensitizer - Category 1: Sensitisation - Skin, Hazard Category 1

Reproductive Toxicity - Category 2: Reproductive toxicity, Hazard Category 2

Specific Target Organ Toxicity - Single Exposure - Category 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

Sources

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