



MATERIAL SAFETY DATA SHEET

DATE: March 3, 2008

Section 1: IDENTIFICATION OF SUBSTANCE

Product Details

Product Number: STARDEK LOW VOC CLEAR SEALER

Product Description: Concrete Sealer

Manufacturer/Supplier:

Color-Crown Corporation
928 Sligh Ave
Seffner, FL 33584

Emergency Information:

24 Hour Emergency Phone Number: 800-282-1599

Product Information Phone Number: 813-655-4880

Section 2: COMPOSITION/INFORMATION ON COMPONENTS

Chemical Characterization:

Description:

Resin solution with the substances listed below (SEALER):

Dangerous Components:

98-56-6.....4-chloro-alpha, alpha, alpha-trifluorotoluene.....	25-50%
Warning! 2.6/3, 3.2/2,3.3/2A	
67-64-1.....Acetone.....	10-25%
Warning! 2.6/2 Danger! 3.3/2A, 3.8/3	
64742-95-6...Solvent naphtha (petroleum), light aroma.....	2.5-10%
Danger! 3.6/1B, 3.10/ Warning! 2.6/3	
95-63-6.....1,2,4-trimethylbenzene.....	<2.5%
Warning! 2.6/3, 3.1.1/4, 3.2/2, 3.3/2A, 3.8/3, 4.1.C/2	
98-82-8.....Cumene.....	<2.5%
Danger! 3.10/1 Warning! 2.6/3; 3.8/3, 4.1.C/2	

Additional Information:

Indicated concentrations are average values.

For the wording of the listed risk phrases refer to section 16

Section 3: HAZARDS IDENTIFICATION

Hazard Description: Toxic, Highly Flammable

WHMIS-Symbols: B2-Flammable Liquid, D2A-Very toxic material causing other toxic effects

Information Pertaining To Particular Dangers for Man and Environment:

- The product has to be labeled due to the calculation procedure of International guidelines
- Has a narcotizing effect
- May cause cancer
- Highly Flammable
- Irritating to eyes and skin
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Vapors may cause drowsiness and dizziness

Classification System:

The classification was made according to the latest editions of International substances lists, and expanded upon from company and literature data.

NFPA Ratings (scale 0-4) Health = 1 Fire = 3 Reactivity = 0

HMS III-Ratings (scale 0-4) Health = *1 Fire = 3 Physical Hazard = 0

GHS Label Elements:

- 2.6/2 Highly flammable liquid and vapor
- 3.6/1B May cause cancer
- 3.2/2 Causes skin irritation
- 3.3/2A Causes serious eye irritation
- 3.8/3 May cause drowsiness or dizziness
- 4.1/3 Harmful to aquatic life with long lasting effects

Prevention:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces – No smoking..
- Keep container tightly closed.
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/ equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.

Response:

IF ON SKIN: Wash with plenty of soap and water

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF EXPOSED OR CONCERNED:

- Get medical advice/attention.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Specific treatment (see label) .
- If skin irritation occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- In case of fire: Use for extinction: CO₂, powder or water spray.

Storage:

- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up

Disposal:

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

Section 4: FIRST AID MEASURES

General Information:

In all cases of doubt, or when symptoms persist, seek medical advice immediately.

For symptoms, see section 11.

After Inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

After Skin Contact:

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. If skin irritation continues, consult a doctor.
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After Eye Contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

After Swallowing:

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Agents:

-CO₂, sand, extinguishing powder. Do not use water.

-CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

For Safety Reasons Unsuitable Extinguishing Agents: Water with full jet

Special Hazards Caused By The Material, Its Products of Combustion or Resulting Gases:

Formation of toxic gases is possible during heating or in case of fire.

Protective Equipment:

Wear self-contained respiratory protective device.

Additional Information:

Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Section 6: ACCIDENTIAL RELEASE MEASURES:

Person-related Safety Precautions:

-Wear protective equipment. Keep unprotected persons away.

-Keep away from ignition sources.

-Wear protective clothing.

Measures for Environmental Protection:

-Do not allow product to reach sewage system of any water course.

-Prevent seepage into sewage system, workpits and cellars.

-Inform respective authorities in case of seepage into water course or sewage system.

-In case of seepage into the ground inform responsible authorities.

-Prevent from spreading (e.g. by damming-in or oil barriers).

-Keep contaminated washing water and dispose of appropriately.

Measures for Cleaning/Collecting:

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

-Dispose contaminated material as waste according to item 13.

-Ensure adequate ventilation.

-Do not flush with water or aqueous cleansing agents.

-Send for recovery or disposal in suitable receptacles.

Section 7: HANDLING AND STORAGE

Handling:

Apply proper ventilation, possibly combined with local exhaust. Do not eat, smoke or drink during use. For personal protection see Section 8.

Use only explosion proof equipment

Avoid contact with strong oxidizers.

Information for Safe Handling:

-Store in cool, dry place in tightly closed receptacles.

-Keep away from heat and direct sunlight.

-Ensure good ventilation/exhaustion at the workplace.

-Open and handle receptacle with care.

-Prevent formation of aerosols.

Information about Protection against Explosions and Fires:

-Keep ignition sources away – Do not smoke.

-Protect against electrostatic charges.

-Keep respiratory protective device available.

Storage:

Keep away from sources of ignition – no smoking. Store in a cool, well ventilated place. Keep in original, closed packaging. Comply with governmental regulations.

Requirements to be met by storerooms and receptacles: Store in cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

-Keep in receptacle tightly sealed.

-Store in cool, dry conditions in well sealed receptacles.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Components with limit values that require monitoring at the workplace:

67-64-1 Acetone (10-25%)

EL –Short-term value: 500 ppm

EL – Long-term value: 250 ppm

123-86-4 n-butyl acetate (2.5-10%)

EL – 20 ppm

Additional Information:

The lists that were valid during the creation were used as basis.

Personal protective equipment:

General protective and hygienic measures:

-Keep away from foodstuffs, beverages and feed.

-Immediately remove all soiled and contaminated clothing.

-Wash hands before breaks and at the end of work.

-Store protective clothing separately.

-Avoid contact with the eyes and skin.

-Do not eat or drink while working.

Respiratory protection:

-In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

-Suitable respiratory protective device recommended.

Protection of Hands:

-Protective gloves.

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

-Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

-Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

-The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

-The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection:

-Tightly sealed goggles

Body Protection:

-Light weight protective clothing made from strong material.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Form: Fluid

Color: According to product specification

Odor: Characteristic

Change in Condition:

Melting point/Melting range: Undetermined

Boiling point/Boiling range: 55°C (131°F)

Flash Point: -19°C (-2°F)

Ignition Temperature: 370°C (698°F)

Auto Igniting: Product is not self igniting

Danger of Explosion:

-Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion Limits:

Lower: 2.6 Vol %

Upper: 13.0 Vol %

Vapor Pressure at 20°C (68°F): 233 hPa (175 mm Hg)

Density at 20°C (68°F): 1.098 g/cm³

Solubility in / Miscibility with Water: Not miscible or difficult to mix

Solvent Content:

Organic Solvents: 72.2%

VOC Content: 15.8%

Solids Content: 27.8%

Section 10: STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

-No decomposition if used and stored according to specifications.

-Stable at ambient temperature.

Dangerous Reactions: No dangerous reactions known.

Dangerous Products of decomposition: No dangerous decomposition products known.

Section 11: TOXICOLOGICAL INFORMATION:

Available data:

No experimental data available

The health hazard is mainly caused by the solvent(s).

LD/LC50 Values that are relevant for classification:

64742-95-6 Solvent naphtha (petroleum), light aroma.

Oral: LD50 >6800 mg/kg (rat)

Dermal: LD50 >3400 mg/kg (rab)

Inhalative: LC50/4 hr >10.2 mg/l (rat)

95-63-6 1, 2, 4-trimethylbenzene

Oral: LD50 5000 mg/kg (rat)

Primary Irritant Effect:

On the skin:

Irritant to skin and mucous membranes

On the eye:

Irritating effect

Sensitization:

No sensitizing effects known

Additional toxicological information:

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

Irritant

Carcinogenic

Section 12: ECOLOGICAL INFORMATION

Ecotoxicological Effects:

Remark: Harmful to fish

General Notes:

-Water hazard class 2 (Self-assessment): hazardous for water

-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

-Harmful to aquatic organisms

Section 13: DISPOSAL CONSIDERATIONS

Product:

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Recommendation: Dispose of in accordance with FEDERAL, STATE and local regulations. Incineration is the preferred method of disposal.

Section 14: TRANSPORT INFORMATION

DOT regulations:

Hazard Class: 3

Identification Number: UN1263

Packing Group: II

Proper Shipping Name (Technical Name): PAINT

Label: 3

TDG (Transport dangerous goods):

TDG Class: 3 Flammable Liquids

UN-Number: 1263

Packaging Group: II

Label: 3

Description of Goods: 1263 PAINT

MARITIME TRANSPORT IMDG:

IMDG Class: 3
UN Number: 1263
Label: 3
Packaging Group: II
Marine Pollutant: No
Proper Shipping Name: PAINT

Air Transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3
UN/ID Number: 1263
Label: 3
Packaging Group: II
Proper Shipping Name: PAINT

UN "Model Regulation": UN1263; PAINT; 3; II

Section 15: REGULATIONS

-Sara
-Section 355 (extremely hazardous substances):
None of the ingredient is listed
-Section 313 (specific toxic chemical listings):
95-63-6: 1, 2, 4-trimethylbenzene
1330-20-7: xylene, mixture of isomers
98-82-8: Cumene
-TSCA (Toxic Substances Control Act):
All ingredients are listed

Proposition 65
Chemicals known to cause cancer:
None of the ingredients is listed
Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed
Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed
Chemicals known to cause developmental toxicity:
None of the ingredients is listed

Carcinogenity Categories
EPA (Environmental Protection Agency)
67-64-1: Acetone
1330-20-7: xylene, mixture of isomers
98-82-8: Cumene
IARC (International Agency for Research on Cancer)
1330-20-7: xylene, mixture of isomers
NTP (National Toxicology Program)
None of the ingredients is listed
TLV (Threshold Limit Value Established by ACCIH)
67-64-1: Acetone
1330-20-7: Xylene, Mixture or Isomers
NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients is listed
OSHA-Ca (Occupational Safety & Health Administration):
None of the ingredients is listed

Canadian Substance Listings:

Canadian Domestic Substances List (DSL):

This product contains one or more components which are not on the CEPA DSL Inventory

Canadian Ingredient Disclosure List (limit 0.1%):

95-63-6: 1,2,4-Trimethylbenzene

Canadian Ingredient Disclosure List (limit 1%):

67-64-1: Acetone

123-86-4: n-butyl acetate

Product related hazard informations:

-This product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:

-Toxic

-Highly flammable

Hazard-determining components of labeling:

-Solvent naphtha (petroleum) light aroma.

Risk Phrases:

-May cause cancer.

-Highly flammable.

-Irritating to eyes and skin.

-Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

-Vapors may cause drowsiness and dizziness.

Safety Phrases:

-Avoid exposure – obtain special instructions before use

-Keep container in a well-ventilated place

-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

-Avoid release to the environment. Refer to special instructions/safety data sheets

Disclaimer:

-The absence of a positive finding indicates that we believe, to the best of our knowledge, that the negative is true.

-The Information is to our best knowledge accurate and derived from qualified sources and is given in good faith but without warranty. It remains the user's responsibility to make sure that the information is appropriate and complete for his use of this product. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State, Provincial and local laws and regulations.

Abbreviations and Acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

IACO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*Data compared to the previous version altered.