

SAFETY DATA SHEET

Date Issued: 01-27-2016
Supersedes: 04-27-2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: 82 Wax and Finish Remover
Product Number: SEB820001-B & SEB820005-B
Brand: Sustainable Earth by Staples®

Recommended use: Floor Stripper
Uses advised against: Uses other than those identified on the product label are not recommended.

Supplier Name: Staples Contract & Commercial, Inc.
Supplier Address: 500 Staples Drive
Framingham MA 01702 USA
Supplier Phone Number: 1-888-322-0912
SDS Internet Address: <http://sds.staples.com>
Emergency telephone number: 1-888-322-0912

2. HAZARDS IDENTIFICATION**CLASSIFICATION FOR THE UNDILUTED PRODUCT:**

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1

GHS Label elements, including precautionary statements**Emergency Overview:****Signal word:****Danger****Hazard Statements:**

Causes severe skin burns and eye damage.

Precautionary Statements - Prevention:

Do not breathe mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing immediately. Call a poison center or doctor/physician.

IF ON SKIN (or hair):

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

IF SWALLOWED:

Rinse mouth. DO NOT induce vomiting. Immediately call a Poison Control center or doctor.

Hazards not otherwise classified (HNOC): Not applicable**Other information:** Harmful to aquatic life.**Interactions with Other Chemicals:** Use of alcoholic beverages may enhance toxic effects.**CLASSIFICATION FOR THE DILUTED PRODUCT AT 1:5**

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

GHS Label elements, including precautionary statements**Emergency Overview (Product diluted 1:5)****Signal Word:****Warning****Hazard Statements:**

Causes serious eye irritation. Causes skin irritation.

Precautionary Statements – Prevention:

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

IF ON SKIN:

Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

Hazards not otherwise classified (HNOC): Not applicable**Other information:** No information available.**Interactions with Other Chemicals:** No information available.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Ethanolamine	141-43-5	3 - 7
Benzyl alcohol	100-51-6	3 - 7
Hexoxydiglycol	112-59-4	1 – 5
Non ionic ethoxylate blend	Trade secret	1 – 5
Tall oil fatty acids	61790-12-3	1 – 5

Balance is water and similar non-hazardous ingredients. No fragrance added.

4. FIRST AID MEASURES**General Advice:** Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.**First aid measures:****Eye Contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Seek immediate medical attention/advice.

Skin Contact:

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Inhalation:	Remove to fresh air. Get medical attention immediately if symptoms occur.
Ingestion:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Self-protection of the first aider:	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Most Important Symptoms and Effects:	Burning sensation. Coughing and/or wheezing. Difficulty in breathing.
Notes to Physician:	Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Dry chemical, CO2 or water spray. Dry chemical, CO2, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.
Unsuitable extinguishing media:	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific Hazards Arising from the Chemical:	When heated, vapors may form explosive mixtures with air: indoors, outdoors and sewers explosion hazards. Runoff may pollute waterways. Substance may be transported in a molten form.
Uniform Fire Code:	CORROSIVE:BASE-LIQUID
Hazardous Combustion Products:	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact:	No.
Sensitivity to Static Discharge:	No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk.
Other Information:	DO NOT GET WATER INSIDE CONTAINERS.
Environmental Precautions:	Prevent entry into waterways, sewers, basements or confined areas.
Methods for Containment:	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Methods for cleaning up:	Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists.
Storage:	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Store away from other materials. Keep out of the reach of children.

Incompatible Products: Acids. Bases. Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³
Tall oil fatty acids 61790-12-3	5 mg/m ³ (resp) 10 mg/m ³ STEL (resp)	5 mg/m ³ (resp)	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

NIOSH IDLH - National Institute for Occupational Safety and Health - Immediately Dangerous to Life or Health

Engineering Measures: Use only in well-ventilated areas.

Individual protection measures, such as personal protective equipment

Eye / Face Protection: Wear splash-proof, chemical-resistant goggles when handling concentrated product. Wear safety glasses when handling diluted product.

Skin and Body Protection: Wear chemical-resistant gloves and long sleeve clothing.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. For environmental protection, remove and wash all contaminated protective equipment before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical state: Liquid

Color: Colorless to pale yellow

Odor:

Odor Threshold:

Characteristic

No data available

Chemical Properties

pH (Conc.)

pH (Diluted 1:5)

Melting / freezing point

Boiling point /boiling range

Flash Point

Evaporation Rate

Flammability

Lower flammability limit

Vapor density

Specific Gravity

Water Solubility

Solubility in other solvents

Partition coefficient: n-octanol/water

Autoignition temperature

Decomposition temperature

Kinematic viscosity

Dynamic viscosity

Explosive properties

Softening Point

Values

10 – 12

10.5 – 11.5

No data available

No data available

No data available

No data available

No data available

No data available

No data available

1.008

Soluble in water

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

VOC Content (by wt)	18.8% (188 g/L)
Particle Size	No data available
Particle Size Distribution	No data available

When diluted according to label directions, this product is compliant with California Air Resources Board (CARB) regulations on Volatile Organic Compounds (VOC).

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	None known based on information supplied.
Incompatible Materials	Acids. Bases. Oxidizing agent.
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Specific test data for the product is not available. Corrosive by inhalation (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. May cause irritation of respiratory tract. Harmful by inhalation.
Eye Contact	Specific test data for the product is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.
Skin Contact	Specific test data for the product is not available. Corrosive (based on components). Causes burns.
Ingestion	Specific test data for the product is not available. Causes burns (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name / CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Ethanolamine 141-43-5	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit)	-
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Tall oil fatty acids 61790-12-3	= 7600 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms	Erythema (skin redness). Burning. May cause blindness. Coughing and/ or wheezing.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity	No information available.

STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	No known effect based on information supplied. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen.
Target Organ Effects	Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Central Nervous System (CNS). Digestive System. Kidney. Liver. Testes.
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral):	4,040.00 mg/kg
ATEmix (dermal):	2,856.00 mg/kg (ATE)
ATEmix (inhalation-gas):	12,749.00 ppm (4 hr)
ATEmix (inhalation-dust/mist):	4.20 mg/l
ATEmix (inhalation-vapor):	31.00 ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name / CAS#	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanolamine 141-43-5	72h EC50: = 15 mg/L (Desmodesmus subspicatus)	96h LC50: = 3684 mg/L (Brachydanio rerio) 96h LC50: 300 - 1000 mg/L (Lepomis macrochirus) 96h LC50: 114 - 196 mg/L (Oncorhynchus mykiss) 96h LC50: > 200 mg/L (Oncorhynchus mykiss) 96h LC50: = 227 mg/L (Pimephales promelas)	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	48h EC50: = 65 mg/L
Benzyl alcohol 100-51-6	3h EC50: = 35 mg/L (Anabaena variabilis)	96h LC50: = 10 mg/L (Lepomis macrochirus) 96h LC50: = 460 mg/L (Pimephales promelas)	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	48h EC50: = 23 mg/L
Tall oil fatty acids 61790-12-3	72h EC50: >= 1000 mg/L (Pseudokirchneriella subcapitata)			

Persistence and Degradability: No information available.

Bioaccumulation:

Chemical Name / CAS#	Log Pow
Ethanolamine 141-43-5	-1.91
Benzyl alcohol 100-51-6	1.1
Tall oil fatty acids 61790-12-3	5.98

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: This material is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed

or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes 331

14. TRANSPORT INFORMATION

24-HR EMERGENCY PHONE: 1-888-322-0912

DOT/ TDG/ MEX/ ICAO/ IATA/ IMDG/IMO:

UN-No. UN3267
Proper Shipping Name Corrosive Liquid, Basic, Organic, N.O.S. (Ethanolamine)
Hazard Class 8
Packing Group III
Description UN3267, Corrosive Liquid, Basic, Organic, N.O.S. (Ethanolamine), 8, III
Packaging exceptions When packaged in containers of 5L (1.3 gallons) or less, this product may be shipped under the 49 CFR 173.150 packaging exemption for Limited Quantity
Emergency Response Guide # 153
EmS-No. (IMDG/IMO) F-A, S-B

15. REGULATORY INFORMATION

International Inventories

TSCA (US) Complies
DSL (Canada) All components are listed either on the DSL or NDSL.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 – Threshold Values %
Diethylene glycol monohexyl ether	112-59-4	1 -5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name / CAS#	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethanolamine 141-43-5	X	X	X		X

Benzyl alcohol 100-51-6		X	X		
Diethylene glycol monohexyl ether 112-59-4			X	X	X

International Regulations

Canada

16. OTHER INFORMATION

NFPA	Health Hazards 3	Flammability 0	Instability 0	Physical & chemical Hazards –
HMIS	Health Hazards 3	Flammability 0	Physical Hazard 0	Personal protection X

Prepared By: Regulatory Specialist, Staples Brand Group, (508) 253-5000

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact Staples at 1-888-322-0912 or visit our website at www.staplesadvantage.co+m. Keep Safety Data Sheets filed and organized in an area accessible to workers according to all applicable regulations.

All information contained in this SDS is provided to the best of Staples Contract & Commercial Inc's knowledge. No warranty is made with respect to this information expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the SDS are suitable for their intended use. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this SDS.