

Material Safety Data Sheet

1. Product and company identification

Product Name: :ELISHA Cleaner
Material uses :Vegetable Oil /Solvent mixture
Supplier/Manufacturer : **DeNovus**
P.O. Box 755
Ennis, TX 75120
Tel: (800) 541-4994 (week days)
In case of emergency CHEMTREC, US: +1-800-424-9300 International: +1-703-527-3887

2. Hazards identification

Physical state : Liquid
Odor : Citric odor
OSHA/HCS status : This material is not considered hazardous by the OSHA Hazardous Communication standard (29 CFR 1910.1200)
Emergency Overview : **CAUTION! MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE SKIN AND EYE IRRITATION.**
Keep away from intense heat and direct sunlight. Do not breathe vapor or mist or ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Store soaked rags in approved closed containers.
Potential acute health affects : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : May be irritating to the skin.
Skin : May be irritating to the skin.
Eyes : May be irritating to eyes.
Potential chronic effects
Chronic effects : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : Not reported to cause teratogenic effects in humans. Clinical studies on test animals exposed to relatively high doses of the Cycloalkene compound component of this product provided teratogenic data.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.
Target organs : Eyes and skin
Over-exposure signs/symptoms
Inhalation : Inhalation of mists or sprays of this product may mildly irritate the nose, throat, and other tissues of the respiratory system.
Ingestion : Not anticipated to be a significant route of exposure. If swallowed it may cause nausea, vomiting and diarrhea.
Skin : The Cycloalkene compound of this product may be absorbed through the skin. Absorption over a large area of skin for a prolonged period of time may cause symptoms similar to those described for "Ingestion".

2. Hazards identification

Eyes	: Adverse symptoms may include the following: Pain or Irritation Watering Redness
Medical conditions aggravated by overexposure	: Due to the presence of the Cycloalkene compound, exposure to this product may lead to an allergic reaction and sensitization in susceptible individuals.

See toxicological information (section 11)

3. Composition/information on ingredients

United States

Name	CAS number	%
Ester of Vegetable Oil	Proprietary	80-90
Cycloalkene Compound	Proprietary	10-20

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable that are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Eye contact	: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water for at least 15minutes and get medical attention.
Skin contact	: In case of contract, immediate flush skin with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Inhalation	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
Ingestion	: Do not induce vomiting. If person is conscious have victim rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation
Notes to physician	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

5. Fire-fighting measures

Flammability of the product	: This material must be substantially preheated before ignition can occur.
Extinguishing Media	
Suitable	: Use dry chemical, CO ₂ , ABC Extinguisher, water spray (fog) or foam.
Not Suitable	: Do not use water jet
Hazardous Material Decomposition products	: Decomposition products may include the following material: Irritating fumes Toxic gases

6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Remove all non essential personnel from the area. Don the appropriate Personal Protective equipment prior to cleaning up. Approach all spills from an uphill, upwind position and do not touch or walk through spilled material. Shut off all ignition sources. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil and air).
- Methods for cleaning up**
- Small spill** : Small releases should be absorbed and placed in closed containers. Dispose of in accordance with local, state and federal laws.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined spaces. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section for 13 for waste disposal.

7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flames or any other ignition source. Empty containers retain product residue and can be hazardous. Do not reuse the container. Do not pressurize, cut, weld, braze, solder, drill or expose containers to heat or sources of ignition.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering measures	: Use only with adequate ventilation. If user's operation generates vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protection	: Safety glasses or goggles
Eyes	
Skin	: Long sleeves
Respiratory	: A respirator is not needed under normal and intended conditions of use. If used in operations where spraying or misting occurs, refer to the most current OSHA respiratory standard.
Hands	: Latex or Rubber gloves for normal use.
HMIS Code/ Personal Protective Equipment	: B
Environmental Exposure Controls	: Emission from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Physical State	: Liquid
Flash Point	: Liquid
Flammable limits	: Closed cup: 218 C (425 F) (Pensky- Martens Closed Cup)
Color	: Lower: N/A : Upper N/A
Odor	: Clear yellowish
Boiling/condensation point	: Not established
Specific Gravity	: 0.86
Vapor pressure	: Not established (mm Hg @ 20 C)
Vapor density	: Not established [Air=1]
Evaporation rate	: Not established (n-BuAC=1)
Solubility	: In soluble in water.

10. Stability and reactivity

Stability	: The product is stable.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	: Exposure with extreme temperatures and incompatible chemicals. Do not pressurize, cut or weld, braze, solder, drill, grind or expose containers to direct sunlight or sources of intense heat.
Materials to avoid	: Reactive or incompatible with the following materials: Strong oxidizers, strong acids, and strong reducing agents.
Hazardous decomposition	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute Toxicity

Product/ingredient name	Species	Dose	Results	Exposure		
Cycloalkene	Rat	4400 mg/kg	LD50 Oral	-		
	Mouse	5600 mg/kg	LD50 Oral	-		
	Rabbit	>5 g/kg	LD50 Skin	-		
Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Cycloalkene	-	-	-	-	-	-

12. Ecological information

Environmental effects	: No specific information is currently available on the effect of this material on plants or animals in the environment. This product may be harmful to contaminated plant and animal life (especially in large quantities). The components of this product will slowly degrade in the environment and form a variety of organic and inorganic materials.
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13. Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to section 7: HANDLING and STORAGE and section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transportation information

AERG : Not applicable
DOT Classification Not Regulated

15. Regulatory information

United States

HCS Classification :Irritating materials

U.S. Federal regulations

United States Inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substance: No products were found.
SARA 302/304 Emergency Planning and Notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found
Clean Water Act (CWA) 307: No Products were found
Clean Water Act (CWA) 311: No Products were found
Clean Air Act (CAA) 112 accidental release prevention No products were found.
Clean Air Act (CAA) 112 regulated flammable substances No products were found.
Clean Air Act (CAA) 112 regulated toxic: No products were found.
Warning: This material does not contain a chemical known to the State of California to cause birth defects or other reproductive.

California Prop. 65

16. Other Information

Label Requirements

: MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. STORE SOAKED RAGS IN A CLOSED CONTAINER.

Hazardous Material Information System (USA)

	Health-	1	HAZARD RATING
	Fire Hazard-	1	4- Extreme
	Physical Hazard	0	3- Serious
	Personal Protection	B	2- Moderate
			1- Slight
			0- Minimal

See section 8 for more detailed information on personal protection

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (NFPA)

Health-	0
Flammability	1
Instability	1
Special	

References

: ANSI Z400.5, MSDS standard, 2004.-Manufacturer's Material Safety Data Sheet- 29CFR Part 1910.1200 OSHA MSDS Requirements.-49 CFR Table List of Hazardous Materials, UN #, Proper Shipping Names, PG. -

Date of Issue

: 5/3/10

Version

: 2

16. Other Information

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.