



SAFETY DATA SHEET

U.S. Department of Labor
Occupational Safety & Health Administration

Cocoon Cleaning Solvent

SECTION 1 - IDENTIFICATION

MANUFACTURER: Andek Corporation
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In an emergency, contact CHEMTREC 1-800- 424-9300;
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PRODUCT IDENTIFIER: Cocoon Cleaning Solvent
RECOMMENDED USE: Cleaning Solvent

SECTION 2 – HAZARD IDENTIFICATION

Skin: May cause skin irritation

Eyes: Causes eye irritation

Inhalation: Harmful if inhaled

Ingestion: **Do Not** ingest. Aspiration during ingestion or vomiting may cause pulmonary injury.

SIGNAL WORD: Danger

HAZARD STATEMENTS:

- Highly flammable liquid and vapor
- May be harmful if swallowed and enters airways
- Causes skin irritation
- Causes eye irritation
- Harmful if inhaled

PICTOGRAMS:



PRECAUTIONARY STATEMENTS:

Prevention:

- **Do Not** handle until all safety precautions have been read and understood .
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **Do Not** spray on an open flame or other ignition source.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/light/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge
- **Do Not** breathe fume, vapors or spray
- **Do Not** get in eyes, on skin, or on clothing.
- Wash thoroughly after handling
- **Do Not** eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection .

Response:

- **Skin:** Wash with plenty of water
- **Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.
- **Inhalation:** If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- **Ingestion:** Rinse mouth. **Do Not** induce vomiting

Storage:

- Store in a well ventilated place. Keep container tightly closed
- Store at temperature between 40°F and 90°F

Disposal:

- Waste disposal should be in accordance with existing federal, state and local environmental control laws.
- Incineration is the preferred method.

SECTION 3 – COMPOSITION

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>APPROX %</u>
Toluene	108-88-3	47
Acetone	67-64-1	53

SECTION 4 – FIRST AID MEASURES**Skin:**

- Get medical aid.
- Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing/shoes

Eyes:

- Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
- If irritation persists, seek medical attention

Inhalation:

- Remove person to fresh air.
- If signs/symptoms continue, get medical attention.
- Give oxygen or artificial respiration as needed.

Ingestion:

- **Do Not** induce vomiting.
- If vomiting does occur, have victim lean forward to prevent aspiration.
- Rinse mouth with water.
- Seek medical attention.
- Never give anything by mouth to an unconscious individual

SECTION 5 – FIRE-FIGHTING MEASURES**Suitable (and unsuitable) extinguishing media:**

- **Small fire:** Use dry chemicals, CO₂, water spray or alcohol-resistant foam.
- **Large fire:** Use water spray, water fog or alcohol-resistant foam. Cool all affected containers with flooding quantities of water.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

- Carbon oxides expected to be the primary hazardous combustion product.

Special protective equipment and precautions for firefighters:

- Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- Keep unopened containers cool by spraying with water.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, smoke, fumes, and unburned hydrocarbons

Flammable Properties Classification: OSHA/NFPA Class 3 Flammable Liquid.

Flash point -18 °C (0 °F) - closed cup

Auto ignition temperature 465 °C (869 °F)

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

- **Do Not** inhale vapors, mist or gas.
- Ensure adequate ventilation.
- Remove all sources of ignition.
- Evacuate personnel to safe areas.
- Beware of vapors accumulating to form explosive concentrations.
- Vapors can accumulate in low areas.

Environmental precautions:

- Stop leak.
- Contain spill if possible and safe to do so.
- Prevent product from entering drains.

Methods and materials for containment and cleaning up:

- Absorb with an inert dry material and place in an appropriate waste disposal container.
- Keep disposal containers closed when finished.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling:

- **Do not** get on skin or in eyes.
- **Do not** inhale vapor or mist.
- Keep away from sources of ignition - No smoking.
- Take measures to prevent the buildup of electrostatic charge.
- Open and handle container with care.
- Metal containers involved in the transfer of this material should be grounded and bonded.

Recommendations on the conditions for safe storage:

- Store in a tightly closed container and keep in a cool, dry, well-ventilated place.
- Keep container away from extreme heat and strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure limits:

CHEMICAL NAME	PEL	TLV
Toluene	200 ppm (TWA - OSHA)	20 ppm (TWA - ACGIH)
Acetone	750 ppm (TWA - OSHA)	500 ppm (TWA - ACGIH)

Engineering controls:

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below).
- An eye wash station and safety shower should be located near the work-station.

Individual protection measures:

- Personal protective equipment should be selected based upon the conditions under which this material is used.
- A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations.

Inhalation protection:

- The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation.
- If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.
- Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).

Eye protection:

- Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.
- Wear goggles if splashing or spraying is anticipated.
- Wear goggles and face shield if material is heated above 125°F (51°C).
- Have suitable eye wash water available.

Skin and body protections:

- None required for incidental contact.
- Use gloves constructed of chemical resistant materials such as heavy nitrile rubber if frequent or prolonged contact is expected.
- Use clean protective clothing if splashing or spraying conditions are present.
- Protective clothing may include long-sleeve outer garment, apron, or lab coat.
- If significant contact occurs, remove oil-contaminated clothing as soon as possible and promptly shower.
- Launder contaminated clothing before reuse or discard.

Other hygienic practices and protective equipment:

- Use good personal hygiene practices.
- Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities, or leaving work.
- **Do Not** use gasoline, kerosene, solvents or harsh abrasives as skin cleaners.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:**Appearance:** Low viscosity liquid**Physical state:** Liquid**Color:** Clear**Odor:** Pungent sweet odor**Odor threshold:** None established**pH:** Not applicable**Melting point/freezing point:** -112°F**Initial boiling point and boiling range:** 181°F**Flash point:** 0°F (-18°C)**Evaporation rate:** 4.6(butyl acetate = 1)**Flammability:** Flammable**Upper/lower flammability or explosive limits:** (by volume) 12.0% / 3.0%**Vapor pressure:** 0.3kPa (6mmHg)@20°C (68°F)**Vapor density:** 5(air = 1)**Relative density:** 0.81 kg/l**Solubility:** 53%**Partition coefficient: n-octanol/water:** None established**Auto-ignition temperature:** 465°C (869°F)**Decomposition temperature:** None established**Viscosity:** 30 centipoise @20°C**SECTION 10 – STABILITY AND REACTIVITY****Hazardous Polymerization:** Not expected to occur.**Chemical stability:** Stable.**Incompatibility:** Strong oxidizers**Hazardous decomposition products:** No additional hazardous decomposition products were identified other than the combustion products identified in Section 5 of this SDS.**Conditions to avoid:** Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.**SECTION 11 – TOXICOLOGICAL INFORMATION****The following information regarding health hazards is based upon third-party research studies.****Effects of Acute Exposure:****Inhalation:** Inhalation of fumes or mist can cause irritation of the eyes, nose, throat, and lungs.**Eye Contact:** Fumes or mist can cause irritation.**Skin Contact:**

- Can cause irritation if not promptly washed from the skin.
- Not expected to be absorbed through intact skin.

Ingestion: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

Numerical measures of toxicity:

CHEMICAL NAME	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Acetone	5,800 mg/kg	20,000 mg/kg	>20 mg/l (4 h)

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

- Analysis for ecological effects has not been conducted on this product.
- If spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life.
- The coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

Biodegradation: Inherently biodegradable in aerobic conditions.

Bioaccumulation potential: No adverse effects expected

Photodegradation:

- Based on similar materials, this product will have little or no tendency to partition to air.
- Hydrocarbons from this product which do partition to air are expected to rapidly photodegrade.

Stability in Water: Not readily susceptible to hydrolysis under aquatic conditions.

Distribution: Principally to soil and sediment. Petroleum-based oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

Other adverse effects: None known

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

- Waste disposal should be in accordance with existing federal, state and local environmental control laws.
- Incineration is the preferred method.

Empty Container Precautions:

- Empty containers retain product residue; observe all precautions for product.
- **Do not** heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed.
- **Do not** reuse without thorough commercial cleaning and reconditioning.
- If container is to be disposed, ensure all product residues are removed prior to disposal.

SECTION 14 – TRANSPORT INFORMATION

UN #	1263
UN PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	3
PACKING GROUP:	II
ENVIRONMENTAL HAZARDS:	Not a marine pollutant
GUIDANCE ON TRANSPORT IN BULK	N/A

Transport labels required: Flammable liquid

SECTION 15 – REGULATORY INFORMATION

US Federal Regulation:

SARA 311/312 Hazard Categories

CHEMICAL NAME	CWA reportable quantities	CWA Toxic Pollutants	CWA Priority Pollutants	CWA Hazardous Substances	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity RQ
Toluene	1,000 lbs	Listed	N/A	Chronic Health Hazard	Acute	Required	1,000 lbs

SARA 313:

CHEMICAL NAME	CAS #
Toluene	108-88-3
Acetone	67-64-1

US State Right to Know Regulations: New Jersey, Massachusetts, Pennsylvania, Rhode Island

CHEMICAL NAME	CAS #
Toluene	108-88-3
Acetone	67-64-1

CA Prop 65

CHEMICAL NAME	CAS#
Toluene	108-88-3

Canada

CHEMICAL NAME	CAS#
Acetone	67-64-1

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	2
Flammability	3
Physical Hazard	1
Personal Protection	H

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