

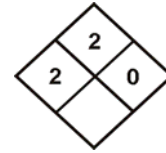
MATERIAL SAFETY DATA SHEET

PRODUCT Solvent Defoamer



NFPA HAZARD RATINGS*

Health	2	Moderate health hazard
Fire	2	Moderately combustible
Stability	0	Stable



SECTION 1: PRODUCT INFORMATION

Manufacturer: ADCO Cleaning Products LLC, 900 W. Main, Sedalia, MO 65301 (660) 826-3300
 EMERGENCY TELEPHONE NUMBERS: CHEMTREC (800) 424-9300 24 HRS 7 DAYS A WEEK; ADCO (800) 821-7556 (8-5 M-F)
 Intended Product Use: Solvent Defoamer
 Synonyms: None

SECTION 2: HAZARDOUS INGREDIENTS

Chemical Name	%	CAS #	OSHA PEL	LD 50
3,5,5-Trimethyl-2-cyclohexanone	85-95	78-59-1	4 ppm TWA	oral: 2330 mg/kg (rat) dermal: 1500 mg/kg (rabbit)

SECTION 3: PHYSICAL DATA

Appearance: Clear, light yellow liquid
 Odor: Sharp, nut-like
 Specific Gravity (20° C): 0.95
 pH (Water Solution): No data
 Boiling Point: No data
 Solubility in Water: Slight
 Vapor Pressure (mm Hg): No data
 Vapor Density: No data

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method)(°F): 178 (TCC)
 Upper Flammable Limit: No data
 Lower Flammable Limit: No data
 Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide
 Special Fire Fighting Procedures: Cool fire exposed containers with water spray. Wear self-contained breathing apparatus.
 Unusual Fire and Explosion Hazards: Vapors may form flammable or explosive mixture with air. Vapors are intoxicating and toxic.

SECTION 5: REACTIVITY DATA

Stability: Stable
 Conditions to Avoid: Use or storage at high temperatures.
 Incompatibility (materials to avoid): Strong oxidizers, strong bases. Do not store in aluminum containers.
 Hazardous Decomposition Products: Burning produces toxic fumes.
 Hazardous Polymerization: Will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity (Estimated): Low
 Effects of Overexposure:
 Acute: Vapors may cause dizziness, nausea, headache, and irritation to the eyes, nose, and lungs. Contact with eyes or skin may cause drying and irritation. Exposure may cause central nervous system (CNS) depression and increased myocardial irritability.
 Chronic: Prolonged exposure may cause liver and kidney damage, CNS depression, low blood pressure, and rapid heartbeat. Some animal studies at high dose have shown increased toxicity to pregnant rats and rabbits and decreased fetal weight.
 Carcinogenicity: 3,5,5-trimethyl-2-cyclohexanone is listed by ACGIH as an A3 animal carcinogen. It is not listed as a human carcinogen.

*Hazard ratings and other information are based on latest available information from tests on product or ingredients of mixtures. The data and evaluations are accurate to the best of ADCO's knowledge. No guarantee or liability is expressed or implied.

EXPOSURE LIMITS 4 ppm TWA (3,5,5-trimethyl-2-cyclohexanone)	IRRITANCY OF PRODUCT No effects reported	SENSITIZATION TO PRODUCT None reported	CARCINOGENICITY 3,5,5-trimethyl-2-cyclohexanone is listed "A-3" by ACGIH.
TERATOGENICITY No effects reported	REPRODUCTIVE TOXICITY No effects reported	MUTAGENICITY None reported	SYNERGISTIC PRODUCTS None reported

Based on known toxicity of components. No test data available on mixture.

SECTION 7: PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required when used as directed with adequate ventilation. When cleaning up large spills in confined areas, self-contained breathing apparatus is recommended

Ventilation: Normal industrial ventilation is adequate.
Local exhaust at work station recommended.

Protective Gloves: Ordinarily not needed. Use chemically resistant gloves when contact is prolonged or frequent.

Eye Protection: Use goggles or face mask if splashing is likely.

Other protection equipment ordinarily not needed. Availability of eye washes and adequate ventilation in work areas recommended.

STORAGE AND HANDLING: Store in closed containers in cool (below 120°F) well ventilated location. Do NOT store in aluminum containers. Leave adequate headspace for thermal expansion (at least 10% of container volume).

SPILL OR LEAK PROCEDURES: Keep from sources of ignition. Small spills - allow to evaporate with adequate ventilation. Soak up the larger spills on absorbent material and transfer to resealable containers for disposal.

WASTE DISPOSAL METHOD: Dispose of product on absorbent material in manner complying with all local, state, and federal regulations for combustible liquids.

RECOMMENDED PRECAUTIONARY LABELING:

CAUTION:

Combustible. Keep from heat and open flames. Use with adequate ventilation. Avoid prolonged breathing of vapors. May cause dizziness, nausea, headache, and/or irritation to eyes, nose, and lungs. Contact with eyes or skin may cause drying and irritation. Harmful if swallowed.

FIRST AID:

Remove person overcome by vapors to fresh air. In case of contact, flush eyes for 15 minutes with water. Wash off of skin with soap and water. If swallowed, give large amount of water. Do NOT induce vomiting. Call physician.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

This product is intended for professional use only by trained personnel.

SECTION 8: FIRST AID

Inhalation: Remove person overcome by vapors to fresh air.

Eyes: Flush eyes for 15 minutes with water.

Skin: Wash off of skin with soap and water.

Ingestion: If swallowed, give large amounts of water and do NOT induce vomiting. Call physician.

IF SYMPTOMS PERSIST, SEEK MEDICAL ASSISTANCE

SECTION 9: SARA TITLE III

NOTE: This product does contain some components which are under the reporting requirements of SARA Title III, Section 313. If you are required to report discharges using Form R, SARA Title III, Section 313, information is available on amounts of reportable components.

SECTION 10: PREPARATION DATE

This information is provided for guidance only based on information we have compiled. No guarantee of accuracy or completeness is expressed or implied.

ADCO RESEARCH DEPARTMENT

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