



CL-TAC Cleaner

Revision 5/26/2015

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION**

**PRODUCT NAME:** CL-TAC Cleaner

**PRODUCT USE:** Ink Jet Cleaner

**PRODUCT COLOR:** Clear

**NOT RECOMENDED FOR:** Consumer Use

**Manufacturer/Supplier:**

PANNIER CORPORATION

207 SANDUSKY STREET

PITTSBURGH, PA 15212-5823 U.S.A.

**24 HR Emergency Telephone Number: INFOTRAC 1-800-535-5053**

**SECTION 2 - HAZARDS IDENTIFICATION**

**GHS Hazards**

Flammable liquids	Category 2
Eye irritation	Category 2A
Specific target organ toxicity - single exposure	Category 3 (Narcotic effects)

**LABEL ELEMENTS**

**Hazard symbols**



**Signal word**

Danger

**Hazard statements**

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Precautionary statements**

**Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/ eye protection/ face protection.  
P264 Wash skin thoroughly after handling.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P271 Use only outdoors or in a well-ventilated area.

**Response**

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

**Storage**

P403 + P405 + P235 Store locked up in a well-ventilated place. Keep cool.

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

**Components**

Acetone

**CAS-No.**

67-64-1

**Weight %**

99.9

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

**SECTION 4 - FIRST AID MEASURES**

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use..
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.
<b>Ingestion</b>	If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**SECTION 5 - FIRE FIGHTING MEASURES****FLAMMABLE PROPERTIES****Fire/explosion**

Vapours may form explosive mixture with air. Flash back possible over considerable distance. Use water spray to disperse the vapors. NFPA Class IB flammable liquid.

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Protective equipment and precautions for firefighters**

In the event of fire, wear self-contained breathing apparatus.

**Further information**

Keep containers and surroundings cool with water spray. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Methods and materials for containment and cleaning up**

Evacuate personnel to safe areas. Remove all sources of ignition. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush into surface water or sanitary sewer system.

**SECTION 7 - HANDLING AND STORAGE**

**Safe handling advice** Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition.

**Storage/Transport pressure** Ambient

**Load/Unload temperature** Ambient

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures** Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines). Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment

**Personal protective equipment**

<b>Eyes</b>	Chemical resistant goggles must be worn., Face-shield
<b>Skin</b>	Wear suitable protective clothing, gloves and eye/face protection.
<b>Inhalation</b>	Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

**EXPOSURE GUIDELINES****Components**

Acetone

**Exposure limit(s)**OSHA PEL 1,000 ppm 2,400 mg/m<sup>3</sup>

ACGIH TLV (8-hour) 500 ppm

ACGIH STEL 750 ppm

TWA =Time Weighted Average (8 hr.)

STEL= Short Term Exposure Limit (15 min.)

PEL= Permissible Exposure Limits

TLV= Threshold Limit Value

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EL= Excursion Limit

WEEL= Workplace Environmental Exposure Level

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	liquid;
Colour	Clear, colorless
Form	liquid
Odour	characteristic
Odour Threshold	no data available
Flash point	-17 °C, 1.4 °F;
Flammability	Upper explosion limit: 13.0 %(V) Lower explosion limit: 2.5 %(V)
Boiling point/boiling range	56 °C, 133 °F;
Melting point/range	-95.35 °C, -139.6 °F;
Auto-ignition temperature	465 °C, 869 °F;
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapour pressure	240 hPa @ 20 °C, 68 °F;
Vapour density	no data available
Density	0.79 g/cm <sup>3</sup> @ 20 °C, 68 °F;
Specific gravity	no data available
Water solubility	completely miscible
Viscosity	no data available
Viscosity, dynamic	0.32 mPa.s @ 20 °C, 68 °F;
pH	no data available
Evaporation rate	no data available
Partition coefficient: n-octanol/water	no data available
Volatile organic compounds (VOC) content	100 %

**SECTION 10 - STABILITY AND REACTIVITY**

Reactivity	Vapours may form explosive mixture with air.
Chemical stability	No decomposition if stored and applied as directed.
Conditions to avoid	Extremes of temperature and direct sunlight.
Hazardous decomposition products	None known.
Materials to avoid	Oxidizing agents
Hazardous polymerisation	May form explosive peroxides.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute dermal toxicity	LD50 rabbit: > 2,000 mg/kg(literature value)
Acute inhalation toxicity	LC50 rat (4 hours): > 20 mg/l (literature value)
Acute oral toxicity	LD50 rat: > 2,000 mg/kg (literature value)
Skin corrosion/irritation	(rabbit) Moderately irritating, (literature value)
Eye damage/irritation	(rabbit) irritating, (literature value)
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	Genotoxicity in vitro: Type: Ames test System: Salmonella typhimurium; with and without metabolic activation Result: In vitro tests did not show mutagenic effects. (literature value)
Genotoxicity in vivo:	no data available
Assessment Mutagenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity	<b>Reproductive toxicity:</b> no data available <b>Assessment Reproductive toxicity:</b> no data available <b>Teratogenicity:</b>

no data available

**Assessment teratogenicity:**

no data available

**STOT - single exposure**

The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

**STOT - repeated exposure**

no data available

**Aspiration toxicity**

no data available

**Carcinogenicity****Assessment carcinogenicity:**

Contains no ingredient listed as a carcinogen

**SECTION 12 - ECOLOGICAL INFORMATION**

<b>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) 96 hours: > 100 mg/l; static test (literature value)
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 48 hours: > 100 mg/l; static test (literature value)
<b>Toxicity to algae</b>	EC50 (Pseudokirchneriella subcapitata (green algae)) 96 hours: > 100 mg/l; static test (literature value)
<b>Chronic toxicity to aquatic invertebrates</b>	NOEC (Daphnia magna (Water flea)) 28 d: > 100 mg/l; flow-through test (literature value)
<b>Biodegradation</b>	Readily biodegradable. OECD Test Guideline 301B (28 d): > 60 % (literature value)
<b>Bioaccumulation</b>	no data available
<b>Mobility in soil</b>	no data available
<b>Other adverse effects</b>	no data available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

<b>Waste Code</b>	F003 (RQ 5,000 Lbs)D001 - Ignitability (RQ 100 LB). Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification.
<b>Disposal methods</b>	Dispose of only in accordance with local, state, and federal regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.
<b>Empty containers.</b>	Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

**SECTION 14 - TRANSPORT INFORMATION**

<b>DOT</b>	UN 1090, Acetone, 3, II When shipped in quantities greater than 5,000 lbs, RQ must be added to the shipping description.
<b>IATA</b>	UN 1090, Acetone, 3, II When shipped in quantities greater than 5,000 lbs, RQ must be added to the shipping description.
<b>IMDG</b>	UN 1090, Acetone, 3, II When shipped in quantities greater than 5,000 lbs, RQ must be added to the shipping description.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	
<b>Remarks</b>	no data available

**SECTION 15 - REGULATORY INFORMATION****U.S. Federal Classifications:**

OSHA Hazards (HCS 1994) Flammable Liquid, eye irritant

**TSCA Inventory Listing****Components**

Acetone

**CAS-No.**

67-64-1

**SARA 302 Status****Components****CAS-No.****Weight percent**

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Classification** "Fire hazard", "Immediate (acute) health hazard"

**SARA 313 Chemical**

**Components**

**CAS-No.**

**Weight percent**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

**Components**

**Reportable Quantity**

**Weight percent**

Acetone

5,000 LB

99.9 %

**INTERNATIONAL REGULATIONS**

**WHMIS Classification**

Class B, Division 2: Flammable liquid.

Class D, Division 2, Subdivision B: Toxic material.

**European Union**

Classification according to Regulation (EU) 1272/2008.

Flammable liquids, Category 2

Eye irritation, Category 2

Specific target organ toxicity - single exposure, Category 3 (Narcotic effects)

**Australia. Inventory of Chemical Substances (AICS)**

Listed

**Japan. Inventory of Existing and New Chemical Substances (ENCS)**

Listed

**Japan. Industrial Safety & Health Law (ISHL) Inventory**

Listed

**Canada. Domestic Substances List (DSL) Inventory**

Listed

**Canadian Non-Domestic Substance Listing (NDSL)**

Not listed

**European Inventory of Existing Commercial Chemical Substances (EINECS) Listing**

Listed

**Philippines. Inventory of Chemicals / Chemical Substances (PICCS)**

Listed

**Korea. Existing Chemicals Inventory (KECI)**

Listed

**China. Inventory of Existing Chemical Substances (IECSC)**

Listed

**Mexico. National Inventory of Chemical Substances (INSQ)**

Listed

**New Zealand. Inventory of Chemicals (NZIoC)**

Listed

**Switzerland. Inventory of Notified New Substances (CHINV)**

Listed

**Taiwan. National Existing Chemical Inventory (NECI)**

Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

**STATE REGULATIONS**

**California Prop. 65**

**Components**

none

**CAS-No.**

**SECTION 16 - OTHER INFORMATION**

**HAZARD RATINGS**

	<b>Health</b>	<b>Flammability</b>	<b>Physical Hazard/ Instability</b>
<b>HMIS®</b>	2	3	0
<b>NFPA</b>	2	3	0

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