ECLECTIC
IN THE HOME & ON THE JOB PRODUCTS

Material Safety Data Sheet

1 . Product and company identification

Trade name : E6000 - Clear & Black

Supplier : Eclectic Products Inc.
1075 Arrowsmith
Eugene, OR 97402
541-484-9621

Material uses : Consumer products: Adhesive.

Manufacturer : Eclectic Products Inc.
1075 Arrowsmith
Eugene, OR 97402
541-484-9621

Code : 1000132

Validation date : **1/2/2014.**

Print date : 1/2/2014.

Responsible name : **Regulatory Compliance**

In case of emergency : CALL INFOTRAC
1-800-535-5053 or 001-352-323-3500

2 . Hazards identification

Physical state : Liquid.

Emergency overview : WARNING!

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

Irritating to eyes, respiratory system and skin. Avoid breathing vapor or mist. 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.

Routes of entry : Dermal contact. Eye contact. Inhalation.

Potential acute health effects

Inhalation : Irritating to respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion : No known significant effects or critical hazards.

Skin : Irritating to skin.

Eyes : Irritating to eyes.

Potential chronic health 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 : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Target organs : Contains material which may cause damage to the following organs: kidneys, the nervous system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS).

Over-exposure signs/symptoms

2 . Hazards identification

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Ingestion : No specific data.

Skin : Adverse symptoms may include the following:
irritation
redness

Eyes : Adverse symptoms may include the following:
pain or irritation
watering
redness

Medical conditions aggravated by over-exposure : None known.

See toxicological information (Section 11)

3 . Composition/information on ingredients

Name	CAS number	%
Tetrachloroethylene	127-18-4	60-100

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, 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. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 : In a fire or if heated, a pressure increase will occur and the container may burst.

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

5 . Fire-fighting measures

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
carbonyl halides

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. 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 or air). Water polluting material. May be harmful to the environment if released in large quantities.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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 a 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 13 for waste disposal.

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for 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

Product name	Exposure limits
Tetrachloroethylene	**ACGIH TLV (United States, 2/2010). Notes: Substance identified by other sources as a suspected or confirmed human carcinogen. Substances for which there is a Biological Exposure Index or Indices Substances for which the TLV is higher than the OSHA Permissible Exposure Limit (PEL) and/or the NIOSH Recommended Exposure Limit (REL). See CFR 58(124) :36338-33351, June 30, 1993, for revised OSHA PEL. Refers to Appendix A -- Carcinogens.** STEL: 685 mg/m³ 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 170 mg/m³ 8 hour(s).

8 . Exposure controls/personal protection

TWA: 25 ppm 8 hour(s).

OSHA PEL 1989 (United States, 3/1989). Notes: See Table Z-2.

TWA: 170 mg/m³ 8 hour(s).

TWA: 25 ppm 8 hour(s).

OSHA PEL Z2 (United States, 11/2006).

AMP: 300 ppm 5 minute(s).

CEIL: 200 ppm

TWA: 100 ppm 8 hour(s).

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures : Use only with adequate ventilation. If user operations generate dust, fumes, gas, 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

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls : Emissions 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 : Closed cup:None. [Setaflash. ASTM D3828]

Color : Multiple

Odor : Not available.

Boiling/condensation point : 121.11°C (250°F)

Specific gravity : 1.35 to 1.37

Vapor pressure : 1.7 kPa (13 mm Hg)

Estimated Vapor Density : >1 [Air = 1]

VOC % : 0.10-0.12%

Evaporation rate : <1 (Water = 1)

Solubility : Very slightly soluble in the following materials: water.

10 . Stability and reactivity

Stability : The product is stable.

Conditions to avoid : No specific data.

Materials to avoid : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions of reactivity : Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.

11 . Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Tetrachloroethylene	LD Dermal	Rabbit	>3228 mg/kg	-
	LD50 Intraperitoneal	Rat	4678 mg/kg	-
	LD50 Oral	Rat	2629 mg/kg	-
	LD50 Unreported	Rat	4000 mg/kg	-
	LDLo Intratracheal	Rat	450 mg/kg	-
	TDLo Oral	Rat	50 mg/kg	-
	LC50 Inhalation Vapor	Rat	34200 mg/m3	8 hours
	LC50 Inhalation Gas.	Rat	4100 ppm	6 hours

Carcinogenicity

Conclusion/Summary : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Tetrachloroethylene	A3	2A	-	+	Possible	-

IDLH : Not available.

Synergistic products : Not available.

12 . Ecological information

Environmental effects : Water polluting material. May be harmful to the environment if released in large quantities.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Tetrachloroethylene	-	Acute EC50 3.64 mg/L Fresh water	Algae - Green algae - Chlamydomonas reinhardtii - Exponential growth phase - 7 days	72 hours
	-	Acute EC50 3 to 6 mg/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - Fingerling - 6.1 cm	96 hours
	-	Acute EC50 509 ppm Marine water	Algae - Diatom - Skeletonema costatum	96 hours
	-	Acute EC50 504 ppm Marine water	Algae - Diatom - Skeletonema costatum	96 hours

12 . Ecological information

	-	Acute EC50 >500000 ug/L Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	96 hours
	-	Acute EC50 8500 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Instar - <24 hours	48 hours
	-	Acute EC50 7500 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Instar - <24 hours	48 hours
	-	Acute EC50 4680 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 6.1 cm - 3.2 g	96 hours
	-	Acute LC50 4.99 mg/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
	-	Acute LC50 3.5 mg/L Marine water	Crustaceans - Australian Barnacle - Elminius modestus	48 hours
	-	Acute LC50 3 to 6 mg/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - Fingerling - 6.1 cm	96 hours
	-	Acute LC50 12.6 ppm Marine water	Crustaceans - Opossum shrimp - Americamysis bahia	48 hours
	-	Acute LC50 18000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - <=24 hours	48 hours
	-	Acute LC50 9100 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Instar - <24 hours	48 hours
	-	Acute LC50 4000 ug/L Fresh water	Fish - Flagfish - Jordanella floridae - Juvenile (Fledgling, Hatchling, Weanling) - 2 to 4 months	96 hours
	-	Chronic NOEC >0.4 mg/L Fresh water	Daphnia - Water flea - Daphnia magna	21 days
	-	Chronic NOEC <500000 ug/L Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	96 hours
	-	Chronic NOEC 1400 ug/L Fresh	Fish - Fathead minnow -	32 days

12 . Ecological information

		water	Pimephales promelas - Larvae - 30 to 35 days	
	-	Chronic NOEC 500 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - Larvae - 30 to 35 days	32 days
	-	Chronic EC10 1.77 mg/L Fresh water	Algae - Green algae - Chlamydomonas reinhardtii - Exponential growth phase - 7 days	72 hours

Conclusion/Summary : Not available.

Biodegradability

Conclusion/Summary : Not available.

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.

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 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	1897	Tetrachloroethylene mixture	6.1	III		**Limited quantity** Yes. **Packaging instruction** **Passenger aircraft** Quantity limitation: 60 to 60 L **Cargo aircraft** Quantity limitation: 220 to 220 L **Remarks** Limited quantity : < 1 . 0 gal

14 . Transport information

TDG Classification	1897	Tetrachloroethylene mixture	6.1	III		**Explosive Limit and Limited Quantity Index** 5 **Passenger Carrying Ship Index** 60
IMDG Class	1897	Tetrachloroethylene mixture. Marine pollutant (Tetrachloroethylene)	6.1	III		**Emergency schedules (EmS)** F-A, S-A Marine pollutant
IATA-DGR Class	8000	Consumer commodity	9	III		**Passenger and Cargo Aircraft** Quantity limitation: 30 kg

PG* : Packing group

15 . Regulatory information

U.S. Federal regulations : **TSCA 8(b) inventory**: All components are listed or exempted.

SARA 311/312 - Acute, Chronic

SARA 313

Form R - Reporting requirements :

Product name	CAS number	Concentration
Tetrachloroethylene	127-18-4	60-100

This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and subpart C-Supplier Notification Requirement of 40 CFR Part 372.

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive
Tetrachloroethylene	Yes.	No.

Canada

WHMIS (Canada) : Class D-1B: Material causing immediate and serious toxic effects (Toxic).
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

Canada inventory : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Mexico

Classification :

15 . Regulatory information

EU regulations

Hazard symbol or symbols :

Risk phrases : R40- Limited evidence of a carcinogenic effect.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S2- Keep out of the reach of children.
S29- Do not empty into drains.
S36/37- Wear suitable protective clothing and gloves.
S46- If swallowed, seek medical advice immediately and show this container or label.
S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

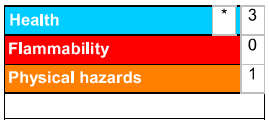
International regulations

International lists : **Australia inventory (AICS)**: Not determined.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: Not determined.
Korea inventory: All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): All components are listed or exempted.

EU Inventory : Not determined.

16 . Other information

Hazardous Material Information System (U.S.A.) :



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

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

National Fire Protection Association (U.S.A.) :

Date of printing : **1/2/2014.**

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Indicates information that has changed from previously issued version.

Notice to reader

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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.