

SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
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Trade Name (As Labeled)	VA-2107 Thinner
Chemical Names:	THF/ Cyclohexanone
Product Number:	VA-2107 Thinnner
Uses:	Solvent Thinner
UN Number:	UN 1993
UN Dangerous /goods Class/Subsidiary Risk:	Hazard Class 3 Packing Group II
Manufacturer's Name:	Volunteer Adhesives Corp.
Address:	570 Industrial Dr. Lafayette, TN. 37083 USA
Emergency Phone:	(800) 424-9300 (CHEMTREC)
Company Phone:	(615) 688-3030 (Product Information)
Date of Preparation:	12/14/2022
Date of last revision:	

SECTION 2 HAZARD IDENTIFICATION
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OSHA Hazards

Flammable liquids, Target Organ Effect, Irritant, Carcinogen

Target Organs

Central nervous system, Liver, Kidney, Lungs

GHS Classification

Flammable liquids (Category 2)
 Acute toxicity, inhalation (Category 4)
 Skin irritation (Category 2)
 Eye irritation (Category 2A)
 Carcinogenicity (Category 2)
 Specific target organ toxicity - single exposure (Category 2)
 Aspiration hazard (Category 1)
 Acute aquatic toxicity (Category 2)

**Signal Word****DANGER****Hazard Statement's)**

H-225	Highly Flammable liquid and vapor.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H302 +H312	Harmful if swallowed, in contact with skin.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.

SKIN CONTACT: Wash with soap and water, Consult a physician.

INHALATION: Move to fresh air. If not breathing ,give artificial respiration. If breathing is difficult, give oxygen. Contact a Physician immediately.

INGESTION: Do not induce vomiting. If irritation or complications arise, contact a Physician or Regional Poison Control Center immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Conditions of Flammability:

Flammable in the presents of a source of ignition when the temperature is above the flash point keep away from heat/sparks/open flam/hot surface. **NO Smoking!**

Suitable extinguishing media:

Dry chemical, Carbon dioxide(CO₂), Water spray, Alcohol-resistant foam.

Hazardous combustion products:

Hazardous decomposition products form under fire conditions-Carbon oxides.

Precautions for fire-fighting:

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point.

Wear full fire fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Further Information:

Use water spray to cool unopened containers.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personal to safe areas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and clean up:

Contain spillage, and the collect with an electrically protected vacuum cleaner or wet-brushing and place in container for disposal according to local regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:

HANDLING INFORMATION: KEEP OUT OF THE REACH OF CHILDREN. Avoid skin and eye contact. Avoid breathing vapors. Use only in a well ventilated area.

Storage information: Store away from caustics and oxidizers. Keep away form heat, sparks, and flames. Keep containers tightly closed when not in use. Keep containers from excessive heat and freezing. Use and store containers in a well ventilated area.

Ignition Temperature: N data
Upper Explosion Limits: 10.1 %
Lower Explosion Limits: 1.8 %
Vapor Pressure: 95 hPa (71 mmHg) at 20 Deg. C (68 Deg F)
Relative Vapor Density: 0.805 g/cm³ at 25 Deg. C (77 Deg. F)
Water Solubility: Miscible
Partition Coefficients: -0.29
lbs per Gallon: 7.56

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

Vapors may form explosive mixture with air.

Conditions to Avoid:

Heat, Flames and sparks, Extremes of temperature and direct sunlight.

Materials to Avoid:

Bases, Oxidizing agents, Reducing agents, ..

Hazardous Decomposition Products:

Hazardous Decomposition Products formed under fire conditions,-Carbon Oxides
Other decomposition products- no data available

SECTION 11 - TOXICOLOGICAL PROPERTIES

Acute Toxicity:

Oral LD50

LD50 oral- rat-2,737 mg/kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex) Behavioral: Tremor

Inhalation LC50

LC50 Inhalation-mouse-4 h- 32,000 mg/m³

LC50 Inhalation-mammal-4 h- 38,000 mg/m³

Dermal LD50:

LD50 Dermal - rabbit-6,480 mg/kg

Other information on Acute Toxicity:

No data available

Skin Corrosion/Irritation:

Skin - rabbit - Skin irritation - 24 h

Serious Eye Damage/Eye Irritation:

No data available.

Respiratory or Skin Sensitization:

No data available.

SECTION 12 - ECOLOGICAL INFORMATION
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Toxicity:

Toxicity to fish NOEC - Cyprinodon variegatus (Sheephead minnow) -400 mg/l - 96 h

LC50 - Pimephales promelas (Flathead minnow) - 3,130-3,320 mg/l - 96 h

LC50 - Daphnia magna (Water flea) - 520 mg/l - 48 h

EC50 - Daphnia magna (water flees) - 7,060 mg/l - 24 h

Persistence and Degradability:

No data available

Bioaccumulative Potential:

No data available

Mobility in Soil:

No data available

PBT and vPvB Assessment:

No data available

Other Adverse Effects:

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Product:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

WASTE MANAGEMENT/DISPOSAL: Dispose of according to Federal, State, and Local Standards. Discarded material should be incinerated at a permitted facility. Liquids cannot be disposed of in a landfill. Do not reuse empty containers. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

EPA WASTE CODE - If discarded (40 CFR 261) : D001-Ignitable.

SECTION 14 - TRANSPORTATION INFORMATION
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DOT (US):

DOT PROPER SHIPPING NAME:

UN1993, Flammable liquid, n.o.s.,(Tetrahydrofuran, Cyclohexanone) Class 3,PG II

DOT HAZARD Class: 3

DOT UN/NA NUMBER: UN 1133 Packing Group: II

Reportable Quantity (RQ): 5000 Lbs.

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG:

UN number: 1993 Class: 3

Packing Group: II

Proper shipping name:

Adhesive , containing a flammable liquids

Marine pollutant: No

Massachusetts Right to Know Components:	CAS #	Revision Date
Tetrahydrofuran	109-99-9	
Cyclohexanone	108-94-1	
Pennsylvania Right to Know Components:	CAS #	Revision Date
Tetrahydrofuran	109-99-9	
Cyclohexanone	108-94-1	
New Jersey Right to Know Components:	CAS #	Revision Date
Tetrahydrofuran	109-99-9	
Cyclohexanone	108-94-1	

The components of this product are reported in the following inventories:

Country(s) or region	Inventory name	On inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
	Inventory of Chemical Substances (ISHL)	
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Phillippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

California Prop. 65 Components:

This product does not contain any chemicals known to the state of California to cause cancer, birth Defects, or any other reproductive harm.