

SECTION 1. COMPANY IDENTIFICATION

1.1 Product Name : Tacusil V20014
 1.2 Chemical Classification : Contact Adhesive (Low VOC)
 1.3 Manufacturer/Supplier : ResinLab China
 Address : Rm 9,11 Floor, Chuangxin Building Block 1, No.1, Technology Road,
 Technology Chuangxin Park, West of Dayabay, Huizhou City, Guangdong,
 P.R. China (86 752) 5533798

Emergency Telephone Number:

North America - Chemtrec: 1-800-424-9300 (24 hours) ; International - Chemtrec: 01-703-527-3887 (24 hours)

Recommended use of the chemical and restrictions on use

Recommended use: Adhesive and binding agents

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Flammable liquid : Category 2
 Serious eye irritation : Category 2
 Serious skin irritation : Category 2
 Toxic to reproduction : Category 2
 Specific target organ toxicity – single exposure : Category 2
 Specific target organ toxicity – repeated exposure : Category 2
 Aquatic hazard (Acute) : Category 2
 Aquatic hazard (long-term) : Category 2

2.2 Label element

Pictogram



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airway.
 H315 Cause skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H373 May causes damage to organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 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.
 P260 Do not breathe dust/ fume/ gas/ mist/ vapour/ spray.
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ eye protection/ face protection.
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303 + P361 + P353 IF ON SKIN: remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

None known.

SECTION 3. COMPOSITION

Substance / Mixture:

This product is considered as mixture.

Chemical Name	CAS No.	Concentration (%)
Ethyl acetate	141-78-6	25-30
Naphtha (petroleum), hydrotreated light	64742-49-0	25-30
Methylcyclohexane	108-87-2	15-20
Polychloroprene	Trade secret	10-15
Synthetic resin	Trade secret	5-10

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation If inhaled, remove to fresh air. Get medical attention.

Skin contact Immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lens, if worn. Get medical attention.

Ingestion DO NOT induce vomiting. Rinse mouth thoroughly with water. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No known.

4.3 Indication of any immediate medical attention and special treatment needs

Treat symptomatically and supportively.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray, alcohol-resistant foam, carbon dioxide (CO₂), and dry chemical

Unsuitable extinguishing media: Do not use water in a jet.

5.2 Special hazards arising from the substance and mixture

Hazardous combustion products: Carbon oxides

5.3 Special protective equipment and precautions for fire –fighters

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for firefighters: Wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not get on skin or clothing. Do not swallow. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practice. Keep away from water. Protect from moisture.

7.2 Conditions for safe storage, including any incompatibilities

Keep in properly labeled containers. Do not store with strong oxidizing agent.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	Control parameters
Ethyl acetate	TWA: 400 ppm
Naphtha (petroleum), hydrotreated light	TWA: 600 ppm
Methylcyclohexane	OSHA TWA: 500 ppm (2000 mg/m ³) ACGIH TWA: 400 ppm

8.2 Appropriate engineering controls

Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

8.3 Personal protective equipment

Eye/ face protection

Safety goggles.

Skin/ body protection

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (chemical-resistant gloves, aprons, boots, etc).

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often. Wash hands before breaks and at the end of workday.

Respiratory protection

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Filter type combined particulates and organic vapour type.

8.4 Work/ Hygienic practices

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPETERIES

a) Appearance and color	Yellow viscous liquid
b) Odor	Hydrocarbon odor
c) Odor threshold	No data available
d) pH	Not applicable
e) Melting point/ freezing point	No data available
f) Initial boiling point and boiling	75-115°C based on Naphtha (petroleum), hydrotreated light
g) Flash point	-15°C based on Naphtha (petroleum), hydrotreated light
h) Evaporation rate	Not applicable
i) Flammability (solid, gas)	Category 2
j) Upper explosion limit	12.8 %v based on ethyl acetate
k) Lower explosion limit	1.0 %v based on Naphtha (petroleum), hydrotreated light
l) Vapour pressure	Not applicable
m) Relative vapour density	No data available
n) Relative density	0.85 ± 0.03
o) Solubility	Insoluble in water
p) Partition coefficient: n-octanol/ water	No data available
q) Auto-ignition temperature	No data available
r) Decomposition temperature	No data available
s) Viscosity, dynamic	300-500 cps
t) Explosive properties	Not explosive
u) Oxidizing properties	The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity hazard is known for this product.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No known hazardous reaction.

10.4 Conditions to avoid

Avoid exposure to heat, sources of ignition, and open flame.

Incompatible materials

Oxidizing agents

10.5 Hazardous decomposition products

Oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on the likely routes of exposure

Skin contact

Eye contact

Ingestion

11.2 Symptoms related to physical, chemical, and toxicological characteristics

Inhalation May cause drowsiness or dizziness.

Skin contact Cause skin irritation.

Eye contact Cause eye irritation.

Ingestion No specific data.

11.3 Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure/ long term exposure

Potential immediate effects

Potential delayed effects

Potential chronic health effects

Vapour may cause drowsiness and dizziness.

May cause reproductive disorder. May cause damage to organs through prolonged or repeated exposure.

Not available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Acute aquatic toxicity

No known ecotoxicological effects.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste from residues:

Dispose of in accordance with local regulations.

13.2 Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified, dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number

: UN1133

14.2 UN proper shipping name

: Adhesive

14.3 Hazard class

: 3, Flammable liquid

14.4 Packing group

: II

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

SECTION 16. OTHER INFORMATION

For Industrial Only

This materials safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data of similar chemical substance or product. Applied DB Public Company Limited provides no warranties; either expresses or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.