

Kingdom of Saud Arabia,

Phone: +966 569136644

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name Product Use	: TBS-3001 : Adhesive for (	Cold bonding	
Manufacturer's Address	: Thejo Enginee Irulipattu Villag	ering Ltd e, Alinjivakam Post, Ponneri T	aluk, Chennai,India 600067
	: Corporate off Tamil Nadu, In Tel +91 44 22 Fax +91 44 42	1900	Building, Chennai 600086,
AUSTRALIA	BRAZIL	CHILE	<u>SAUDI ARABI</u> Thejo Hatcon Industrial
Thejo engineering ltd. 5, Kalmia Road, Bibra Lake, Perth	Av. Brasil 839 - sala 04 cnpj no. 20.994.412/000 00 13820 - 000 - vinhedo - s Brasil	Thejo Engineering 1- LatinoAmerica SPA , Avda. La Dehesa p N° 181, Of. 312, Lo Barnechea Santiago –	Services LLC, 3 <sup>rd</sup> floor,

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Polychloroprene rubber dispersion with inorganic fillers in trichloro ethylene

ph: +55 19 96966382 /

+19 99 4991112

Chemical Name	CAS Number	% Range
Trichloro Ethylene	79-01-6	>80%
ZnO	1314-13-2	<5%
Resin Hydrocarbon	64742-16-1	<5%

Chile

Phone: (9) 6241 4133

#### 3. HAZARD IDENTIFICATION

PH:+61 41 1473382

	GHS Classification	Hazardous statement
Flammable Liquids	Not Classified	
Skin corrosion/irritation	Category 2	H315
Germ cell mutagenicity	Category 2	H341
Carcinogenicity	Category 1B	H350
Specific target organ toxicity –		
Single exposure	Category 2	H335
Aspiration hazard	Category 1	H304
Chronic aquatic toxicity	Category 3	H412
Signal word: DANGER		

#### **Label Elements**

Hazard pictograms (CLP):





### Human Health Hazards

Inhalation:	Causes irritation to respiratory tract. Has a strong narcotic effect with symptoms of mental confusion, light-headedness, fatigue, nausea, vomiting and headache. Causes formation of carbon monoxide in blood which affects cardiovascular system and central nervous system. Continued exposure may cause increased light-headedness, staggering, unconsciousness, and even death.
Skin Contact:	Causes irritation, redness and pain. Prolonged contact can cause burns. Liquid degreases the skin. May be absorbed through skin.
Eye Contact:	Vapors can cause eye irritation. Contact can produce pain, inflammation and temporal eye damage.
Ingestion:	May cause irritation of the gastrointestinal tract with vomiting. If vomiting results in aspiration, chemical pneumonia could follow. Absorption through gastrointestinal tract may produce symptoms of central nervous system depression ranging from light headedness to unconsciousness.
Chronic Exposure:	Can cause headache, mental confusion, depression, liver effects, kidney effects, bronchitis, loss of appetite, nausea, lack of balance, and visual disturbances. Can cause dermatitis upon prolonged skin contact. TCE may cause cancer in humans.
4. FIRST AID MEASURES	
Inhalation:	Remove the victim to fresh air. Monitor respiratory function. If there is breathing difficulty, provide oxygen. If necessary, give artificial respiration. Seek medical attention.
Skin contact:	Remove contaminated clothing and shoes. Wash affected area with plenty of water for at least 15 minutes. Wash contaminated clothing and shoes before reuse. Seek medical attention.
Eye contact:	Wash immediately with running water for at least 15 minutes, keeping the eyelids open. Remove contact lenses if present and easily removable.
Ingestion:	Rinse mouth of victim with water. Give plenty of water to drink. DO NOT INDUCE VOMITING.
Seek medical attention If irritation ner	rests even after the first aid in any of the above case obtain immediate

Seek medical attention. If irritation persists even after the first aid in any of the above case obtain immediate medical advice

## 5. FIRE FIGHTING MEASURES

Combustible at high temperature only, Auto-Ignition temperature reported at 556°C		
Extinguishing media:	CO <sub>2</sub> , foam, dry chemicals	
Protection of fire-fighters:	Use full protective clothing. Self contained breathing apparatus	
	Forbidden extinguishers: DO NOT USE WATER EXTINGUISHERS.	
Combustion products:	Halogenated compounds, oxides of carbon, phosgene	
Combustion risks:	During combustion the preparation may release toxic or highly toxic gases. Avoid inhaling the fumes. Protective equipment: Use	



protection for the airways. Cool the containers exposed to the fire with water.

electrostatic charge. Instructions as regards storage premises: Cool

## 6. MEASURES IN CASE OF ACCIDENTAL RELEASE

Personal precautionary measures: Wear appropriate protective equipments Environmental precautionary measures: Prevent entry to sewers or streams, dike if needed. Prevent contamination of soil. Consult local authorities. **Procedure for clean Up:** Clear all personnel from that area- Keep away from sources of ignition - No smoking. Prevent contamination of waterways. Absorb with an inert dry material and place in an appropriate waste disposal container. 7. HANDLING AND STORAGE Handling: Avoid contact and inhalation of the vapors. Do not eat or drink while working. Do not smoke while working. Keep away from water or from damp surroundings. Storage conditions: Keep this product in a dry place below 20°C. Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight. Keep away from flame and sparks. Avoid accumulating

Suitable Packing materials: Keep in steel containers, glass containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures:	Local exhaust recommended. Explosion protected electrical equipment. Take precautionary measures against static discharges.		
Respiratory protection:	Use an appropriate NIOSH approved respirator		
Gloves:	Impervious gloves. Butyl rubber gloves. Silver Shield(R).		
Skin protection:	Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential.		
Eyes:	Chemical goggles; also wear a face shield if splashing hazard exists.		
Hygienic measures:	When using do not eat, drink or smoke. Wash hands after working with the substance.		

and adequately ventilated.

#### 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

1.Physical State	Liquid
2.Color	Black
3. Density @ 0°C	1.40 +/05 @ 25°C
4. Viscosity	6–8 Minutes at 25 Deg c in Ford Cup Method
5.Shelf Life	12 Months, if stored below 20°C
6. Flash Point	Not available
7. Boiling Point	86-89°C

#### **10.STABILITY AND REACTIVITY**

Chemical Stability:Stable under normal conditionsHazardous Polymerization:Will not occurConditions to Avoid:Direct sparks, flames and other sources of ignition. Do not puncture<br/>or incinerate containers



Materials to Avoid: Hazardous decomposition products: Caution : Keep tightly sealed. Reacts with strong acids, strong bases, alcohols, amines and water. Halogenated compounds, oxides of carbon, phosgene

## **11.DISPOSAL CONSIDERATION**

Methods of disposal Disposal according to the local legislation. Through incineration; dangerous pressure build ups may occur in closed Container Combustion in an incinerator for chemical waste.

## **12.TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY**: This product may be irritating to the eyes, skin, and respiratory system. This product may cause sensitization in previously exposed individuals and result in contact dermatitis. This product may be absorbed through the skin. Acute inhalation may cause central nervous system depression with drowsiness, dizziness, headache, nausea, vomiting, unconsciousness and coma. Death may occur from respiratory arrest or ventricular fibrillation resulting in primary cardiac failure. Liver and kidney damage may also occur.

**CHRONIC TOXICITY**: CARCINOGENIC EFFECTS: Classified + (Proven.) by OSHA. Classified 2B (Possible for human.) by IARC. Causes damage to the following organs: lungs, the nervous system, liver, mucous membranes, central nervous system (CNS).

## **13.ECOLOGICAL INFORMATION**

General:	Toxic with aquatic life with long lasting effect
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## **14.TRANSPORT INFORMATION**

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA		
PROPER SHIPPING NAME	: Trichloro ethylene	
HAZARD CLASS	: 6.1	
UN NUMBER	: 1710	
PACKING GROUP	: 111	

## **15.REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture National regulations
Other regulations, limitations and prohibitive regulations
VOC (EU) in %: 80.00 %
VOC (EU) in g/l: 800.0 g/l
Chemical safety assessment: A Chemical Safety Assessment has been carried out.
HIMS RATINGS: HEALTH 2; FIRE 1; REACTIVITY 0
NFPA RATINGS: HEALTH 2; FIRE 1; REACTIVITY 0

#### **16. OTHER INFORMATION**

All employees or contractors etc. who use this product must have access to this Safety Data Sheet. This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of Thejo Engineering ltd. knowledge or is obtained from sources believed by Thejo Engineering ltd. to be accurate. Thejo Engineering ltd. makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use or reliance on same. Customers are encouraged to conduct their own tests.



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