

1. PRODUCT AND COMPANY IDENTIFICATION**1.1 PRODUCT NAME:** GYSI GP505 2-Component Reactive Adhesive**1.2 MANUFACTURER:** Linhai G-Good Adhesives Co., Ltd.

Shiniu, Yanjiang Town, Linhai City, Zhejiang Province, P.R. China

Tel. +86-576-85696851

1.3 EMERGENCY: CHEMTREC Tel. +1-703-527-3887 (International)**2. COMPOSITION / INFORMATION ON INGREDIENTS**

	CAS#	Concentration	Symbol	R Phase	S Phase	Exposure Limit Value
Tetrahydrofuran Methyl Methacrylate Monomer	2455-24-5	40-50%	Xi	10-36-37-38	36	N/A
2-Ethylhexyl Methacrylate	688-84-6	20-30%	Xi	36-37-38	36	N/A
Maleic Acid	110-16-7	1-20%	Xn	22	R43	N/A
Boran, Triethyl Propanediamine	14886-07-8	1-10%	Xn	21	R43	N/A

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA.

3. HAZARDS IDENTIFICATION**3.1 Health:**

Classification under CHIP: Xi: R36/37/38; Sens.: R43; Xn: R62

Classification under CLP: Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Repr. 1B: H360Df; STOT SE 3: H335

Most important adverse effects: Irritating to eyes, respiratory system and skin. May cause sensitization by skin Contact. Possible risk of impaired fertility.

4. FIRST AID MEASURES**4.1 Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIREFIGHTING MEASURES**5.1 Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.**5.2 Exposure hazards:** In combustion emits toxic fumes.**5.3 Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions:** If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking

containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Materials not to be used for clean up: Zinc, Aluminum or plastic containers

7. HANDLING AND STORAGE

7.1 Handling: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Do not eat, drink or smoke while handling.

7.2 Storage: Store in a dry place, well ventilated area. Keep container tightly closed when not in use. Store below 80°F (27°C).

Suitable packaging: Must only be kept in original packaging.

8. PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

8.1 Engineering Controls: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

8.2 Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Skin Protection: Prevent contact with the skin as much as possible. Use protective clothing chemically resistant to this material. Remove contaminated clothing

Eye Protection: Use chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance:	A. Clear viscous liquid, B. pinkish viscous liquid
9.2 Odor:	A. Acid odor, B. Odorless
9.3 PH:	Not Applicable
9.4 Boiling Point:	52°C (125.6°F) Based on first boiling component: THFMMA
9.5 Flash Point:	A. 90.5°C (195°F) T.C.C. based on THFMMA
9.6 Auto-ignition Temperature:	N/A
9.7 Vapor Pressure:	< 0.1mmHg @ 20°C (68°F): THFMMA
9.8 Solubility:	A. Slight in Water: THFMMA
9.9 Others:	Vapor Density: <1.0 (Water = 1), Density @ 23°C±2° (73°F±3.6°): 1.04±0.020
9.10 VOC Content:	<50g/L, Flammability Limit: N/A

10. STABILITY AND REACTIVITY

10.1 Stability: Stable under recommended storage conditions. (See Section 7)

10.2 Hazardous decomposition products: In combustion emits toxic fumes.

10.3 Conditions to avoid: Avoid strong acid, strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

11.1 Acute symptoms and effects:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Hazardous ingredients:

2-ETHYLHEXYL METHACRYLATE

MALEIC ACID

TRIMETHYLENEDIAMINE

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

13. WASTE DISPOSAL CONSIDERATIONS

Disposal operations: Transfer to a suitable container and arrange for collection by specialized disposal company.

Follow local and national regulations. Consult disposal expert.

14. TRANSPORT INFORMATION

14.1. UN number

UN number: Not Classified.

14.2. UN proper shipping name: N/A

14.3. Transport hazard class(es): N/A

14.4. Packing group: N/A

14.5. Environmental hazards: N/A

Environmentally hazardous: No Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

15. REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

16.1 Specification Information:

Department issuing data sheet: G-Good Safety Health & Environmental

Contact person: Friedrich **E-mail address:** sales@g-good.com.cn

16.4 Training necessary: Yes, training in practices and procedures contained in product literature.

16.3 Reissue date / reason for reissue: 10/20/2015 / Updated GHS Standard Format.

16.4 Intended Use of Product: Two component reactive adhesive

16.5 This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of



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