

PRODUCT FACT SHEET

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1. GTSE-TCHEM25: HARD FILLER

Gocableties Ltd T/A GTSE  
WeWork - Dalton Place  
29 John Dalton St  
Manchester M2 6DS

01246 386 126

sales@gtse.co.uk

2. COMPOSITION/INGREDIENTS

Two-component putty with a non-saturated polyester resin base

SUBSTANCE	EEC no.	CAS no	nr WE (EINECS)	CLASSIFICATION	MARKING	PERCENTAGE	
acetone	606-001-00-8	67-64-1	200-662-2	F; R11 Xi; R36 R66, R67	F; Xi R: 11-36-66-67 S: (2-)9-16-26	5-10%	
Styrene	601-026-00-0	100-42-5	202-851-5	R10; Xn; R20 Xi; R:36/38	NOTA D Xn R: 10-20-36/38 S: (2-)23	11-14%	

3. HAZARD IDENTIFICATION

HEALTH HAZARD: Lasting contact causes eye, skin and respiratory system irritation

DANGEROUS PROPERTIES: Flammable; avoid contact with strong oxidants

OTHER: No data available

4. FIRST AID

RESPIRATORY SYSTEM: Give Dexamethason spray as an inhalant (Auxilison, Pulmicort), ensure that the person is in a quiet place in fresh air; call in a doctor.

SKIN: Take off contaminated clothing. Wash contaminated skin with a lot of water with soap.

EYES: Rinse with plenty of water immediately; if the irritation does not subside, consult a doctor.

ALIMENTARY CANAL: Rinse the oral cavity and drink a lot of water; do not induce vomiting. Call in a doctor.

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5. PROCEDURE IN CASE OF FIRE

EXTINGUISHING AGENTS: powder, foam, carbon dioxide, water spraying

PARTICULAR HAZARD: carbon oxide and toxic smoke can be effects of fire

PROTECTIVE EQUIPMENT: fire-fighting squads should be equipped with breathing apparatus with their own air sources and light protective clothing

EXTRA INFORMATION: cool the adjoining containers spraying water; keep distance

6. PROCEDURE IN CASE OF ENVIRONMENTAL CONTAMINATION

PERSONAL PROTECTION

Means of protection: protective gloves, safety goggles, a bottle with clear water for eye washing

PROCEDURE IN CASE OF A LEAKAGE OR ACCIDENTAL TIPPING

Seal the containers, place the damaged ones in the emergency container; in case of a large leakage, embark its area, collect and distroy the chemical in a suitable incinerating plant or dispose as poisonous waste. Remove sources of ignition and avoid immediate contact with the released chemical .

7.HANDLING/STORAGE

RULES TO BE OBSERVED:

Keep away from heat and open fire. Do not smoke. Do not inhale the vapours. Avoid skin and eye contact. Take precautions against static discharge.

STORAGE

Keep in tightly closed containers, in cool, well-ventilated rooms. Do not store near large amounts of organic peroxides.

8.HAZARD CONTROL AND PERSONAL PROTECTION

BOUNDARY VALUES:

According to the Polish standards – DU no.79/17.06.1998, item 513

CAS no.	substance	NDS (mg/m <sup>3</sup> )	NDSch (mg/m <sup>3</sup> )	NDSP (mg/m <sup>3</sup> )
100-42-5	styrene	50	200	S
67-64-1	acetone	600	1800	---

RESPIRATORY PROTECTION: gas mask with an A-type canister  
 HAND PROTECTION: protective gloves (dissolvent resistant)  
 EYE PROTECTION: safety goggles  
 SKIN PROTECTION: appropriate protective clothing

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9. PHYSICAL AND CHEMICAL PROPERTIES

STATE: liquid  
 FORM: high-viscosity liquid  
 COLOUR: green  
 SMELL: typical of styrene  
 pH: ---  
 BOILING POINT: 146 °C  
 MELTING POINT: - 30 °C  
 BREAKDOWN TEMPERATURE: ---  
 IGNITION TEMPERATURE: 32 °C  
 AUTOIGNITION POINT: 490 °C  
 EXPLOSIVE LIMITS: lower: 1.1 vol % upper: 8.0 vol%  
 EXPLOSIVE PROPERTIES: ---  
 OXIDIZING PROPERTIES: ---  
 VAPOUR PRESSURE: 7.3 hPa  
 DENSITY: about 1.65 g/cm<sup>3</sup> (20 °C)  
 WATER SOLUBILITY: very weak  
 VISCOSITY (ROTARY RHEOMETER) : 20000-50000 mPas

10. STABILITY AND REACTIVITY

STABILITY: stable in normal conditions  
 AVOID CONTACT WITH: strong oxidants, high temperature, fire  
 DANGEROUS DECOMPOSITION PRODUCTS: carbon monoxide and other toxic gases are generated during thermal decomposition  
 11. TOXICOLOGICAL DATA

TOXICITY: LD50 (rat, orally) 5000 mg/kg  
 LC50 (human, inhalation) 10000 ppm/0.5 hour  
 IRRITATING EFFECTS: Skin: irritates skin and mucous membrane  
 Eyes: causes irritation  
 TOXICOLOGICAL EFFECTS: Headache and vertigo, tiredness, weakening of muscles, drowsiness; exceptionally, loss of consciousness. After being swallowed, it can cause irritation of alimentary canal, nausea, vomiting and diarrhoea.

12. ENVIRONMENTAL DATA

Keep away from sewage system, surface water, underground water and soil.

13. WASTE DISPOSAL

RECOMMENDATION: The chemical should be disposed in accordance with valid local and official regulations.  
 METHODS OF DISPOSAL: Controlled incinerating.

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#### 14. TRANSPORT CONDITIONS

UNo.	Material	Hazard identification no.	Warning label	Package group
1866	resin in solution flammable	30	3	III

ADR/RID: UN 1866 resin in solution, flammable, class 3, item 31c  
IMDG-Code:  
ICAO/IATA:

#### 15. INFORMATION ON LEGAL REGULATIONS

CONTAINS: Styrene

HAZARD SYMBOL: Xn Harmful

HAZARD INDEX: R10 Flammable  
R20 Harmful after inhaling vapours .  
R36/38 Causes eye and skin irritation.  
R66  
R67

SAFETY INDEX: S (2-) Keep out of the reach of children.  
S3/7 Keep in a tightly closed container in a cool place.  
S23 Do not inhale the vapours.  
S25 Avoid contact with eyes.  
S51 Use only in well-ventilated rooms.

#### 16. ADDITIONAL INFORMATION

All the information is given to the best of our up-to-date knowledge. This document is no guarantee of product characteristics.