

Section 1: Identification of the substance / mixture and of the company/undertaking

1.1. Product details:

- Trade name: Spin-In Chemical Capsules
- Application of the preparation: Chemical anchoring agent for building industry
- Manufacturer/Supplier: **wej-it** Fastening Systems

Div. of Mechanical Plastics Corp.
110 Richards Ave • Norwalk, CT 06854
888-864-4537, Fax: 203-857-2201
Email: info@toggler.com

1.2. Further information obtainable from:

1.3. Information in case of emergency:

(800) 535-5035 -- INFOTRAC (24 hours a day) within the U.S., Canada, or the U.S. Virgin Islands. Or, outside these areas, call (352) 323-3500. Collect calls are accepted. Call in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals.

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification made according to the latest edition of Directive 1999/45/EC, and extended by company and literature data :

Irritating

Irritating to eyes
May cause sensitisation by skin contact

2.2. Label elements



Xi Irritating

Pictograms and signal words

Risk phrases

R36, R43; Xi

Safety phrases

S23, S26, S28, S37/39

2.3. Other hazards

n.a.

Section 3: Composition/information on ingredients

3.1. Substances

n.a.

3.2. Mixtures

Product identifiers	Ingredient name	Content (wt %.)	Classification	
			67/548/EEC	(EC) 1272/2008 [CLP]
A component				
Index No: 601-026-00-0 WE: 248-666-3 CAS: 27813-02-1	styrene	< 6,5	R10 Xn; R 48/20 Xi; R36/37/38	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332
B component				
Index No: 617-008-00-0 EC: 202-327-6 CAS: 94-36-0	dibenzoyl peroxide	< 2,0	E; R3 O; R7 Xi; R36, 43	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317
CAS: 9011-14-7 polimer	poly(methyl methacrylate)	<1,5	not classified	
WE: 201-545-9 CAS: 84-61-7	Dicyclohexyl phthalate	< 1,5	not classified	

For the wording of the listed phrases refer to section 16

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Move the exposed individual to the fresh air and keep at rest in a position comfortable for breathing. If not breathing, breathing is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately. Contact toxicology center.
Skin contact:	Wash with plenty of soap and water for at least 10 minutes. Remove contaminated clothing and shoes. In case irritation or any complaints occur, get medical attention and avoid further exposure.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention.
Ingestion:	Wash out mouth with water. Move the exposed individual to the fresh air and keep at rest in position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low, so that the vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Loosen tight clothing (e.g. tie, belt).

4.2. Most important symptoms and effects, both acute and delayed

Product can cause irritation to eyes, skin and respiratory system. Contact with decomposition products can be dangerous for health. After exposure, symptoms can be delayed. Contact with eyes can result in eye erythema and excessive lacrimation. Exposure of inhalation routes can cause coughing. Prolonged exposure of skin can cause erythema. Lack of data on symptoms occurring after ingestion.

4.3. Indication of any immediate medical attention and special treatment needed

In case of inhalation of decomposition products, symptoms may be delayed. Exposed individual may need to be kept under medical surveillance for 48 hours

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Use dry chemical (ABC powder) or CO ₂ , optionally spray mist water
Unsuitable extinguishing media:	Unknown

5.2. Special hazards arising from the substance or mixture

Product heating can cause pressure rise and result in capsule explosion. In case of fire, hazardous decomposition products can arise: e.g. carbon oxides, unidentified hydrocarbons

5.3. Advice for firefighters

Use full protective clothing compliant with EN 469 standard. Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Product containers exposed to heat cool with water.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action involving any health risk shall be taken through contact with product. Avoid contact with product without personal protective equipment, in case of contact with large quantities of product or ventilation is insufficient. Avoid breathing vapours.

For emergency responders:

Disposal of product spillage should be taken only if personal protective equipment described in section 8 is available.

6.2. Environmental precautions

Avoid dispersal of spilled material and its contact with soil, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution

6.3. Methods and material for containment and cleaning up

Secure drains and sewers. Collect product mechanically (e.g. with shovel) together with contaminated soil. Absorb with inert dry material and place in an appropriate waste disposal container.

6.4. Reference to other sections

See section 8 for information on appropriate personal protective equipment.
See section 13 for additional waste treatment information.

Section 7: Handling and storage

7.1. Precautions for safe handling

Put on an appropriate personal protective equipment (see section 8). Persons with a history of skin sensitization problems should avoid contact with product. Do not allow product to contact eyes or skin. Avoid breathing vapours released during curing process. Use only in places with sufficient ventilation. Wear appropriate respirator when ventilation is inadequate. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container, protect from direct sunlight and other heat sources in dry, well-ventilated area, away from incompatible materials, food and drink. Store at 5– 25 °C. To ensure product stability avoid temperature fluctuation during storage.

7.3. Specific end use(s)

Product used in large quantities on small surface generates release of irritating vapours during curing process. In such cases, please use appropriate breathing apparatus (as described in section 8) if ventilation is insufficient. In case of disposal of unused product, mix both components thoroughly, leave to cure and cool down before removing.

Section 8: Exposure controls/personal protection**8.1. Control parameters**

Styrene	TWA (8h): 213 mg/m ³ STEL (15min): 426 mg/m ³
Dibenzoyl peroxide:	TWA (8h): 5mg/m ³ ; STEL (15 min): 10mg/m ³

8.2. Exposure controls

Appropriate engineering controls: Ensure sufficient ventilation in working place. In case of insufficient ventilation use appropriate engineering controls (e.g. local fume hood) which will keep exposure level below recommended threshold, or use appropriate breathing apparatus.

Individual protective measures:

General recommendation: Obey hygiene rules: do not eat, drink, or smoke at workplace. Wash your hands with soap and water after you finish working with product. Avoid contamination of your clothes. Contaminated clothes wash before use.

Eye/face protection: Use safety glasses with side shields compliant with EN 166 standard.

Hand protection: Use chemical resistant gloves compliant with EN 374-3 standard when working with product. It is advised to use butyl rubber gloves.

Skin and body protection: Use protective suit

Respiratory protection: At concentrations causing irritation use mask, filtertype: A – against organic gases and vapours (compliant with EN 141)

Remarks: Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual situation

Section 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance:	A component – liquid resin, straw color B component – solid powder, white color
Odour:	characteristic, ester-like
Odour threshold:	n.a.
pH:	n.a.
Melting point / freezing point:	n.a.
Initial boiling point and boiling range:	B component – dibenzoyl peroxide: 197°C
Flashpoint:	A component: < 40°C (EN ISO 3679:2007)
Evaporation rate:	n.a.
Flammability (solid, gas):	flammable
Upper/lower flammability or explosive limits:	n.a.
Vapor pressure:	n.a.
Relative density:	A component: 1,1 g/cm ³ (20°C)
Solubility:	insoluble in water, soluble in acetone, IPA
Partition coefficient n-octanol/water:	n.a.
Autoignition temperature:	n.a.
Decomposition temperature:	A component: n.a. B component, SADT: 50°C
Viscosity:	A component: 1900 - 2500 [mPa·s] (25°C)
Explosive properties:	n.a.
Oxidizing properties:	B component – possess oxidizing properties
9.2. Other information	n.a.

Section 10: Stability and reactivity

10.1. **Reactivity** No test data on reactivity available

10.2. **Chemical stability**

Product is stable under normal storage conditions. In case of apparent product consistency (significant increase in resin viscosity, change of hardener color) it is advised to interrupt work with product and consult producer.

10.3. **Possibility of hazardous reactions:**

No specific data

10.4. **Conditions to avoid**

To avoid thermal degradation of product do not allow to overheat it over the temperature of recommended storage. Protect from sunlight. Overheating of B component over SADT temperature (Self Accelerating Decomposition Temperature, see section 9.1) can cause spontaneous decomposition of the substances in the packaging during transport.

10.5. **Incompatible materials**

No specific data

10.6. **Hazardous decomposition products:**

Irritating vapours. Unidentified hydrocarbons, carbon oxides

Section 11: Toxicological information

11.1. **Information on toxicological effects**

Acute toxicity

Ingredient name	Dose (route of exposure)	Species	Result [mg/kg]
styren	LD ₅₀ (oral)	rat	5000
dibenzoyl peroxide	LD ₅₀ (oral)	rat	> 5000

Irritation: n.a.
Corrosivity: n.a.
Sensitisation: n.a.
Repeated dose toxicity n.a.
CMR n.a.

Information on likely routes of exposure

Inhalation: Irritating to respiratory system.
Skin exposure: Irritating. May cause sensitization.
Eye exposure: Irritating to eyes
Ingestion: Irritates mouth, throat and stomach

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: Respiratory tract irritation, coughing, nausea and dizziness
Exposure to decomposition products may cause a health hazard
Serious effects may be delayed following exposure.

Skin exposure: Irritation and redness. Skin reaction may be delayed in time

Eye exposure: pain, lacrymation, irritation and redness.

Ingestion: n.a.

Section 12: Ecological information**12.1. Toxicity**

Ingredient	Result / exposure time	Species	Result [mg/l]
styren	LC ₅₀ /96h	fish, fathead minnow – Pimephales Promelas	32
	LC ₅₀ /96h	fish, guppy – Poecilia reticulata	75
	EC ₅₀ /24h	rozwielitka, Daphnia magna	42
dibenzoyl peroxide	LC ₅₀ /96h	fish, Poecilia reticulata	2,0
	EC ₅₀ /48h	Daphnia magna	2,91

12.2. Persistence and degradability

Styrene decomposition of 90,0% after 28 days. Readily biodegradable

12.3. Bioaccumulative potential

Styrene BCF = 13,5 (goldfish, Carassius auratus). Low bioaccumulative potential

12.4. Mobility in soil

Styrene logK_{oc} = 2,71. Low mobility in soil

12.5. Results of PBT and vPvB assessment

None of substances present in the product does not meet the criteria of PBT or vPvB substance

12.6. Other adverse effects

No reports on other adverse effects

Section 13: Disposal considerations**13.1. Waste treatment methods:**

Product: Minimum waste quantities. Must not be disposed together with household garbage
Do not allow product to reach sewage system, ground water and water course.
Uncured product dispose of as a chemical waste in licensed facility, in accordance with local regulations of environmental protection and binding legislation on recycling.
Product used as intended does not leave any wastes.

European Waste Code: 08 04 10 – Adhesive and jointing compound waste products that contain solvents or other hazardous substances. 16 09 03 – Peroxides.

Comply with the Council Directive 91/689/EEC of 12 December 1991 on hazardous waste and Regulation (EC) No 1013/2006 of 14 June 2006 on shipments of waste.

Section 14: Transport information**Land transport ADR/RID**

UN number: 3269
Proper shipping name: Polyester resin kit
Class: 3
Packaging group (PG): III
Label number: 3
Packaging instruction: P302, R001
Limited quantities (LQ): 5L
Excepted quantities: E 0
Special provisions: 236, 340
Transport category: 3
Tunnel restriction code: E
Environmental hazards: n.a.
Special precautions for user: n.a.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: n.a.



Note: Based on special provision 340 excepted quantities which do not exceed the quantity limits for excepted quantities applicable to UN 1866 may be transported in accordance with regulations of E 2 code.

Maritime transport IMDG

UN number: 3269
Proper shipping name: Polyester resin kit
Class: 3
Packaging group (PG): III
EmS: F-E, S-D
Składowanie i segregacja: A category
Label number: 3
Packaging instruction: P302
Limited quantities (LQ): 5L
Excepted quantities (EQ): E 0
Special provisions: 236, 340

Note: Based on special provision 340 excepted quantities which do not exceed the quantity limits for excepted quantities applicable to UN 1866 may be transported in accordance with regulations of E 2 code.

Air transport IATA

UN number: 3316
Proper shipping name: Chemical kit
Class: 9
Packaging group (PG): III
Label: Miscellaneous

EQ	Passenger and cargo aircraft		Cargo aircraft only			
	Ltd Qty		Pkg Inst.	Max Net Qty/Pkg	Pkg Inst.	Max Net Qty/Pkg
Pkg Inst.	Max Net Qty/Pkg					
E 0	Y960	1 kg	960	10 kg	960	10 kg

ERG: 9L
Special provisions: A 44, A 163

Section 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation for the substance or mixture**EU regulations:

Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),

Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending regulation (EC) No 1907/2006

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

n.a.

Section 16: Other information

Full text of Risk statements:	R3	– Extreme risk of explosion by shock, friction, fire or other sources of ignition
	R7	– May cause fire
	R10	– Flammable
	R36	– Irritating to eyes
	R36/37/38	– Irritating to eyes, respiratory system and skin
	R43	– May cause sensitisation by skin contact
Full text of Safety statements:	R48/20	– Harmful: danger of serious damage to health by prolonged exposure through inhalation
	S23	– Do not breathe gas/vapour
	S26	– In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S28	– After contact with skin, wash immediately with plenty of water and soap
Full text of H statements and corresponding hazard class and category codes:	S37/39	– Wear suitable gloves and eye/face protection
	H226	– Flammable liquid and vapour
	H241	– Heating may cause fire or explosion
	H304	– May be fatal if swallowed and enters airways
	H317	– May cause an allergic skin reaction
	H319	– Causes serious eye irritation
Alterations compared to the previous version:	H332	– Harmful if inhaled
	Alteration of all sections; adaptation to new MSDS format according to Commission Regulation (EU) No 453/2010 of 20 May 2010.	
Training advice:	People using the product professionally, should be trained in handling the product, safety and hygiene. Drivers should be trained and obtain the appropriate certificate in accordance with the ADR requirements	

The information contained in the Safety Data Sheet is based on current state of knowledge and applies to product with its identified use. The information is intended to aid the user in controlling the handling risks and not to guarantee product quality. If conditions of product use are not under manufacturer control, responsibility for safe use falls to the user.

Employer is obliged to inform all employees working with the product, about possible hazards and personal protection specified in Safety Data Sheet.