

\* **1 Identification of the substance or mixture and of the supplier**

· **Other means of identification**

· Trade name: **775 EPOXY THINNER**

· Article number: W070

· Relevant identified uses of the substance or mixture and uses advised against

· Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category PC9a Coatings and paints, thinners, paint removers

· Process category PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

· Environmental release category ERC2 Formulation into mixture

· Article category AC1 Vehicles

· Application of the substance / the mixture

Reducing agent/ Deoxidiser

Surface protection

· **Details of the supplier of the safety data sheet**

· Manufacturer/Supplier:

HB BODY S.A.

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI, GREECE

Ph: +30 2310 790 000

Fax: +30 2310 790 033

www.hbbody.com

email: hbbody@hbbody.com

· Further information obtainable from:

Wyatt Machine Tools (Rupes) NZ Limited

Address: 388 Church Street, Penrose, Auckland

Ph (09) 525 1000; Fax (09) 525 1009

Emergency telephone number: NZ Emergency 0800 992 881 (0800WYATT1)

· Emergency telephone number:

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

\* **2 Hazards identification**

· **Classification of the substance or mixture**



GHS02 flame

Flammable liquids Category 2

H225 Highly flammable liquid and vapour.



GHS08 health hazard

Carcinogenicity – Category 2

H351 Suspected of causing cancer.

Reproductive toxicity Category 2

H361 Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - repeated exposure Category 2

H373 May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Category 1

H304 May be fatal if swallowed and enters airways.

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**Trade name: 775 EPOXY THINNER**

GHS05 corrosion

Serious eye damage Category 1

H318 Causes serious eye damage.



GHS07

Skin irritation Category 2

H315 Causes skin irritation.

Specific target organ toxicity - single exposure Category 3

H335 May cause respiratory irritation.

Specific target organ toxicity - single exposure Category 3

H336 May cause drowsiness or dizziness.

**Additional information:**

6.9B Substances that are harmful to human target organs or systems

6.1E Substances that are acutely toxic – May be harmful, aspiration hazard

6.3A Substances that are irritating to the skin

8.3A Substances that are corrosive to ocular tissue

6.8B Substances that are suspected human reproductive or developmental toxicants

**Label elements**

GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS02



GHS05



GHS07



GHS08

Signal word Danger

Hazard-determining components of labelling:

toluene

butan-1-ol

4-methylpentan-2-one

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Trade name: 775 EPOXY THINNER****Other hazards****Results of PBT and vPvB assessment**

This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT). This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).










PBT: Not applicable.

vPvB: Not applicable.

**3 Composition/Information on ingredients****Chemical characterisation: Mixtures**

Description: Mixture of hazardous substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 108-88-3	toluene	60-<70%
EINECS: 203-625-9	 Flammable liquids Category 2, H225	
Index number: 601-021-00-3	 Reproductive toxicity Category 2, H361; Specific target organ toxicity - repeated exposure Category 2, H373; Aspiration hazard Category 1, H304	
RTECS: XS 5250000	 Skin irritation Category 2, H315; Specific target organ toxicity - single exposure Category 3, H336	
CAS: 71-36-3	butan-1-ol	20-<25%
EINECS: 200-751-6	 Flammable liquids Category 3, H226	
Index number: 603-004-00-6	 Serious eye damage Category 1, H318	
RTECS: EO 1400000	 Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315; Specific target organ toxicity - single exposure Category 3, H335 Specific target organ toxicity - single exposure Category 3, H336	
CAS: 108-10-1	4-methylpentan-2-one	20-<25%
EINECS: 203-550-1	 Flammable liquids Category 2, H225	
Index number: 606-004-00-4	 Carcinogenicity – Category 2, H351	
RTECS: SA 9275000	 Acute inhalation toxicity Category 4, H332; Eye irritation Category 2, H319; Specific target organ toxicity - single exposure Category 3, H336	

Additional information: For the wording of the listed hazard phrases refer to section 16.

**4 First aid measures****Description of first aid measures**

General information: Immediately remove any clothing soiled by the product.

After inhalation: In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

**5 Fire fighting measures****Extinguishing media**

Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

**Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

**Advice for firefighters**

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products

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**Trade name: 775 EPOXY THINNER**

· Special protective equipment and fire fighting procedures: Mouth respiratory protective device.

· **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

HAZ CHEM CODE: 3YE

**6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage**

· **Handling:**

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· Storage:

· Requirements to be met by storerooms and receptacles: Store in a cool location.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

· **Control parameters**

· Ingredients with limit values that require monitoring at the workplace:

**108-88-3 toluene**

WES (New Zealand) Short-term value: 377 mg/m<sup>3</sup>, 100 ppm

Long-term value: 75 mg/m<sup>3</sup>, 20 ppm

skin, oto, bio

IOELV (EU)

Short-term value: 384 mg/m<sup>3</sup>, 100 ppm

Long-term value: 192 mg/m<sup>3</sup>, 50 ppm

Skin

**71-36-3 butan-1-ol**

WES (New Zealand) Ceiling limit: 150 mg/m<sup>3</sup>, 50 ppm

skin

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**Trade name: 775 EPOXY THINNER****108-10-1 4-methylpentan-2-one**

WES (New Zealand) Short-term value: 307 mg/m<sup>3</sup>, 75 ppm  
Long-term value: 205 mg/m<sup>3</sup>, 50 ppm

IOELV (EU) Short-term value: 208 mg/m<sup>3</sup>, 50 ppm  
Long-term value: 83 mg/m<sup>3</sup>, 20 ppm

· **Regulatory information**

WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices

IOELV (EU): (EU) 2019/1831

· Additional information: The lists valid during the making were used as basis.

· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)

· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Rubber gloves

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

**9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· **Form:**

Fluid

· **Colour:**

According to product specification

· **Odour:**

Characteristic

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**Trade name: 775 EPOXY THINNER**

· Odour threshold:	Not determined.
· pH-value:	Mixture is non-soluble (in water).
· Change in condition	
· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	110-111 °C
· Flash point:	< 23 °C
· Flammability	Highly flammable.
· Autoignition temperature:	340 °C
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Risk of explosion by shock, friction, fire or other sources of ignition.
· Explosion limits:	
· Lower:	1.2 Vol %
· Upper:	9.4 Vol %
· Vapour pressure at 20 °C:	29 hPa
· <b>Vapour pressure:</b>	
· Density at 20 °C:	0.84416 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic at 20 °C:	10-12 mPas
· Kinematic at 40 °C:	10-11 mm <sup>2</sup> /s
· Solvent content:	
· Organic solvents:	100.0 %
· VOC (EC)	844.2 g/l
· Solids content (volume):	60.0 %
· <b>Other information</b>	
· Particle characteristics	Not applicable.
· Physical state	Liquid

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information****Information on toxicological effects**

- Acute toxicity
- LD/LC50 values relevant for classification:

**ATE (Acute Toxicity Estimates)**

Oral LD50 3,950 mg/kg (rat)  
Inhalative LC50/4 h 41.5-83 mg/l (ATE)

**Trade name: 775 EPOXY THINNER****108-88-3 toluene**

Oral LD50 5,000 mg/kg (rat)  
 Dermal LD50 12,124 mg/kg (rabbit)  
 Inhalative LC50/4 h 5,320 mg/l (mouse)

**71-36-3 butan-1-ol**

Oral LD50 790 mg/kg (rat)  
 Dermal LD50 3,400 mg/kg (rabbit)  
 Inhalative LC50/4 h 8,000 mg/l (rat)

**108-10-1 4-methylpentan-2-one**

Oral LD50 2,080 mg/kg (rat)  
 Dermal LD50 16,000 mg/kg (rab)  
 Inhalative LC50/4 h 11 mg/l (ATE)  
 8.3-16.6 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation Irritant to skin and mucous membranes.
- Serious eye damage/irritation Strong irritant with the danger of severe eye injury.
- Respiratory or skin sensitisation Sensitising effect through inhalation is possible by prolonged exposure.
- Additional toxicological information:  
 The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
 Irritant
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)  
 Carcinogenicity – Category 2, Reproductive toxicity Category 2

**12 Ecological information****Toxicity**· **Aquatic toxicity:**

This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea

· **Persistence and degradability**

This product contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away

· **Behaviour in environmental systems:**

· Bioaccumulative potential No further relevant information available.

· Mobility in soil No further relevant information available.

· **Additional ecological information:**· **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 Must not reach sewage water or drainage ditch undiluted or unneutralised.  
 Danger to drinking water if even extremely small quantities leak into the ground.

· **Results of PBT and vPvB assessment**

- PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).
- vPvB: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**· **Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Trade name: 775 EPOXY THINNER**

· **Uncleaned packaging:**

· Recommendation: Disposal must be made according to official regulations.

\* **14 Transport information**

· **UN-Number**

· NZS, IMDG, IATA UN1263

· **UN proper shipping name**

· NZS UN1263 PAINT RELATED MATERIAL, special provision 640D  
· IMDG, IATA PAINT RELATED MATERIAL

· **Transport hazard class(es)**

· NZS



· Class 3 (F1) Flammable liquids.

· Label 3

· IMDG, IATA



· Class 3 Flammable liquids.

· Label 3

· **Packing group**

· NZS, IMDG, IATA II

· **Environmental hazards:**

· Marine pollutant: No

· **Special precautions for user** Warning: Flammable liquids.

· Hazard identification number (Kemler code): 33

· EMS Number: F-E,S-E

· Stowage Category B

· **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· NZS

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

· Transport category 2

· Tunnel restriction code D/E

· IMDG

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

· IATA

· Remarks: HAZ CHEM CODE: 3YE



**Trade name: 775 EPOXY THINNER**· **UN "Model Regulation":**

UN 1263 PAINT RELATED MATERIAL, 3, II

**15 Regulatory information**

·3YE

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

None of the ingredients is listed.

· **New Zealand Inventory of Chemicals**

All ingredients are listed.

· **HSNO Approval numbers**

HSNO Approval number HSR 002662

Group standard name Surface Coatings and Colourants (Flammable) Group Standard 2006

HSNO Hazard classification Refer to section 2

108-88-3 toluene: HSR001227

71-36-3 butan-1-ol: HSR001096

108-10-1 4-methylpentan-2-one: HSR001194

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).· **Hazard pictograms**

GHS02

GHS05

GHS07

GHS08

· **Signal word** Danger· **Hazard-determining components of labelling:**

toluene

butan-1-ol

4-methylpentan-2-one

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **Seveso category** P5c FLAMMABLE LIQUIDS· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 tContinue on page 10  
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**Trade name: 775 EPOXY THINNER**

- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

**16 Other information**

This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for alterations**
- **Relevant phrases**
  - H225 Highly flammable liquid and vapour.
  - H226 Flammable liquid and vapour.
  - H302 Harmful if swallowed.
  - H304 May be fatal if swallowed and enters airways.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H332 Harmful if inhaled.
  - H335 May cause respiratory irritation.
  - H336 May cause drowsiness or dizziness.
  - H351 Suspected of causing cancer.
  - H361 Suspected of damaging fertility or the unborn child.
  - H373 May cause damage to organs through prolonged or repeated exposure.

- **Department issuing SDS:** Department of Quality Control

**Contact:**

HB BODY S.A  
Regulatory Officer  
Ms Athina Kapourani  
Ph: +30 2310 790000  
email: a.kapourani@hbbody.com

- \* Data compared to the previous version altered.

**Trade name: 775 EPOXY THINNER****Annex: Exposure scenario****Short title of the exposure scenario****Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category PC9a** Coatings and paints, thinners, paint removers**Process category**

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

**Article category AC1** Vehicles**Environmental release category ERC2** Formulation into mixture**Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

**Conditions of use** According to directions for use.**Duration and frequency** Frequency of use:**Physical parameters**

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

**Physical state** Fluid**Concentration of the substance in the mixture** The substance is main component.**Used amount per time or activity** Smaller than 100 g per application.**Other operational conditions****Other operational conditions affecting environmental exposure** No special measures required.**Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Avoid contact with the skin.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

Do not breathe gas/vapour/aerosol.

**Other operational conditions affecting consumer exposure** No special measures required.**Other operational conditions affecting consumer exposure during the use of the product**

Not applicable.

**Risk management measures****Worker protection****Organisational protective measures**

Ensure good ventilation. This can be achieved by using a local exhaust or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

**Technical protective measures**

Provide explosion-proof electrical equipment.

Ensure that suitable extractors are available on processing machines

**Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Pregnant women should strictly avoid inhalation or skin contact.

Tightly sealed goggles

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Measures for consumer protection**

Ensure adequate labelling.

Observe consumer information and advice on safe use.

**Trade name: 775 EPOXY THINNER**· **Environmental protection measures**· **Water**

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

Generally, prior to the introduction of wastewater into wastewater treatment plants a neutralisation is required.

· **Soil** The product is only processed over the concrete collecting basin.· **Disposal measures** Ensure that waste is collected and contained.· **Disposal procedures**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Waste type** Partially emptied and uncleaned packaging· **Exposure estimation**· **Consumer**

This product is to be used by professional technicians only.

Not relevant for this Exposure Scenario.

· **Guidance for downstream users**

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.