



1. Identification of the substance/mixture and of the Company/undertaking:

1.1 Product identifier:

Product Name: go!

1.2 Relevant identified use:

Relevant use: Professional dental use: For bonding of composite to tooth surfaces.

1.3 Details of the supplier of the Safety Data Sheet:

Manufacturer / Supplier

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2. Hazard Identification

Classification of the substance/mixture:

Signal word: DANGER



GHS Classification:

Flam. Liq. 2

Skin Irrit. 2

Eye Irrit. 2

Skin sensitisation (Category 1)

Aquatic Chronic 3

STOT SE 3



2. Hazard Identification

Hazard statement(s):

- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eye irritation
- H225 Highly flammable liquid
- H336 May cause drowsiness or dizziness
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking.
- P233 Keep container tightly closed.
- P235 Keep cool
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe fumes/vapours.
- P101 If medical advice is needed, have product container or instructions for use at hand.
- P102 Keep out of reach of children.
- P103 Read label and instructions for use before use.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.

Response:

- P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
- P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P330 Rinse mouth.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P312 Call a POISON CENTRE or doctor/physician if you feel unwell.
- P321/322 Specific treatment / measures, see the Instructions for Use and this SDS.
- P337+P313 If eye irritation persists: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.
- P332+P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.



2. Hazard Identification

Storage:

P403+P233
P405

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

Other:

Go contains acetone and is flammable and therefore must be not be stored anywhere near naked flames.

3. Composition / Information on ingredients

Composition:

CAS No.

Wt. %

Acetone

67-64-1

30 - 50

Acrylic monomer

-

30 - 50

Balance ingredient (non-hazardous)

10 - 25

Hazard classification:

Flam. Liq. 2; Skin Irrit. 2; Eye Irrit. 2; Skin sensitisation (Category 1);
Aquatic Chronic 3; STOT SE 3: H225; H302; H312; H315; H317; H319; H336; H412;

4. First Aid Measures

Eye (contact):

Flush opened eye with running water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Skin (contact):

Remove contaminated clothing. Wash skin with plenty of soap and water. In case of allergic reaction or irritation, seek medical attention.

Ingestion:

Seek medical attention immediately.

Inhalation:

Remove victim from exposure to fresh air and keep at rest in a comfortable position. Provide respiratory support if required and safe to do. If rapid recovery does not occur or if feeling unwell, seek medical attention.

Most important effects, acute and delayed:

The most important known symptoms and effects are described in section 2 and/or in section 11.

Indication of any immediate medical attention and special treatment needed:

No data available.



5. Fire Fighting Measures

Suitable extinguishing media: Sand, alcohol foam, carbon dioxide, dry chemicals, water spray or fog.

Unusual Fire and Explosion Hazards: Heat can cause polymerization with rapid release of energy which may melt the container. Highly flammable in presence of open flames and sparks, of heat. Hazardous/possible explosive with mixtures with hydrogen peroxide, oxidising materials, and acids due to acetone content.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the mixture: No data available.

Special protective equipment: No special measures required for small quantity, however observe good handling practices and wear gloves, glasses.
Wear approved respirator (eg. Half-Face Filter Respirator Class A1P2 (complying with AS/NZS 1715) for spills in excess of 2 litres) and protective gear.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting eg. approved respirator (eg. Half-Face Filter Respirator Class A1P2 (complying with AS/NZS 1715). Use explosion-proof electrical/ventilating equipment. Ground/bond container and receiving equipment. Use water spray to cool container. Remove all sources of ignition; product is highly flammable containing acetone.

6. Accidental Release Measures

Personal precautions: Not required for small quantities. For larger quantities, eg 2 litres or more, wear respirator, protective clothing, eye protection. Open windows and doors to increase ventilation if possible.

Environmental precautions: Prevent any spillage from entering waterways, drains or sewage system.

Methods for cleaning up and containment: Mop up with absorbent towel or paper. Dispose into waste container for disposal as hazardous waste.

Removal of ignition sources, provision of sufficient ventilation, control of dust:

Remove all sources of ignition, product is highly flammable containing acetone. Wear self contained breathing apparatus.



7. Handling and storage

Precautions for safe handling:

Replace caps immediately after use, keep caps tightly closed.

Conditions for safe storage, including any incompatibilities:

Storage by the end user (Dental Clinic) is recommended to be at temperatures between 2° - 8°C (35° - 45°F) and should be kept away from direct sunlight.

Do not store with explosives, flammable gases, toxic gases, spontaneously combustible substances (activated charcoal), dangerous when wet substances, oxidising agents (ammonium nitrate, hydrogen peroxide, perchloric acid, silver nitrate, potassium permanganate, chromic acid), and organic peroxides.

Distribution:

During distribution, to our customers, this product can be transported in non-refrigerated conditions between 15° to 25° C. This product can also withstand temperatures up to 40° C for short periods (2 to 3 days) and intermittent peaks up to 50°C.

Specific end use:

Apart from the use mentioned in section 1.2, there are no other uses for the product.

8. Exposure controls and personal protection

Control parameters:

Occupational exposure limits (NOHSC, NIOSH, OSHA,):

OHSA:

Chemical name	Cas No	PEL (ppm)	PEL (mg/m ³)	PEL (ceiling)	STEL (ppm)	STEL (mg/m ³)
Acetone	67-64-1	500	1200	3000ppm	750	1780

NOHSC:

Chemical name	Cas No	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Carcinogen Category
Acetone	67-64-1	500	1,185	1000	2375	-

NIOSH REL: TWA 250 ppm (590 mg/m³)

NOHSC – National Occupation Health and Safety Commission

NIOSH – National Institute for Occupation Safety and Health

OHSA – Occupational Health and Safety Authority

PEL – Permissible exposure limit

STEL – Short term exposure limit

TWA – Time weighted average



8. Exposure controls and personal protection

Respiratory protection:	None required under normal conditions of use. Avoid inhalation of vapours and use in a well-ventilated area. Wear respirator for larger exposure.
Hand protection:	Rubber, nitrile, latex or PVC gloves.
Eye protection:	Safety glasses, goggles or face shield.
General safety and hygiene measures:	Follow good housekeeping practices and good industrial hygiene in handling this material. Remove any naked lights, ignition sources or strong heat sources.

9. Physical and chemical properties

Appearance:	Orange liquid.
Odour:	Slightly characteristic odour.
Boiling point:	Gels before boiling.
Melting point:	Not applicable.
Specific gravity:	0.93
Flash point:	- 20°C
Flammable:	Approximately 3 - 13% in air.
Autoflammability:	Does not self ignite.
Explosive properties:	Does not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20°C):	Not established.
Relative density:	Not established.
Solubility:	Insoluble in water.
Auto-ignition temperature:	Not established.
Decomposition temperature:	Not established.
pH:	Not established.



10. Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid heat, ignition sources, aging, contamination and intense visible light.
Materials to avoid:	Free radical formers, e.g. peroxides, reducing substances and / or heavy metals ions. Reacts violently with bromoform and chloroform in the presence of alkalis or in contact with alkaline surfaces. Decomposes violently in contact with nitric / sulfuric acid mixtures. Oxidisers, acids.
Hazardous decomposition products:	None under normal conditions; oxides of carbon when burned.
Hazardous reactivity (polymerization):	Heat and intense light can cause polymerization. Spontaneous polymerization may occur in the presence of radical formers. May polymerize under these conditions with heat evolution. May ignite in the presence of sparks or naked flame.

11. Toxicological information

ACETONE Toxicity to Animals:

WARNING:

THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.

Acute oral toxicity (LD50): 3000 mg/kg [Mouse].

Acute toxicity of the vapor (LC50): 44000 mg/m³ 4 hours [Mouse]. - to skin, eye and mucous membrane.

Acute toxicity: May be irritating to skin, eye and mucous membrane. May be sensitising by skin contact.

Skin corrosion/irritation: May cause isolated cases contact allergies have been reported.

Respiratory or skin sensitisation: May cause skin sensitisation.

Ingestion: Irritant not likely in small amounts.

Inhalation: May cause drowsiness or dizziness.

Germ cell mutagenicity: No data available.

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

(IARC: International Agency for Research on Cancer, by the World Health Organisation (WHO)).



11. Toxicological information

Reproductive toxicity:	No data available.
Specific target organ toxicity – single exposure:	May cause irritation to eyes, skin and inhalation.
Specific target organ toxicity – repeated exposure:	No data available
Aspiration hazard:	No data available.

12. Ecological information

Self assessment:	Hazardous for water. Do not allow large quantities to reach sewage system and waterways.
Ecotoxicity:	
For acetone: Ecotoxicity in water (LC50):	5540 mg/l 96 hours [Trout]. 8300 mg/l 96 hours [Bluegill]. 7500 mg/l 96 hours [Fathead Minnow]. 0.1 ppm any hours [Water flea].
Persistence and biodegradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT and VPvB assessment:	PBT/VPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	No data available.

13. Disposal considerations

Dispose of in accordance with local official regulations.	
Contaminated packaging:	Dispose of contaminated packaging as hazardous waste in accordance with local official regulations.

14. Transport information

go!, solution. Proper shipping name: Flammable liquid N.O.S. (Acetone solution) UN1993 Packing Group II Class 3.

If packed as Chemical kit the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.



15. Regulatory information

This product is regulated by: TGA
Medical Devices Directive 93/42/EEC
FDA
National regulations.

16. Other information

The information provided herein is given in good faith, but no warranty expressed or implied is made.

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Date of preparation/revision: 2nd February 2015

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