



# iFlex by TCS

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Saturday, April 4, 2015 / Rules and Regulations  
Revision date: 04/04/2020 Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : iFlex byTCS  
Product form : Mixture  
Other means of identification : TCS

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Moulding compound

#### 1.3. Details of the supplier of the safety data sheet

Thermoplastic Comfort  
Systems, Inc 2619 Lime Ave.  
Signal Hill, CA  
90755 (562)-  
426-2970

#### 1.4. Details of Australian Distributor

Ultimate Dental Supplies  
660A South Rd  
MOORABBIN VIC 3189  
03 9532 1799 FAX: 03 9555 9458  
[info@ultimatedental.com.au](mailto:info@ultimatedental.com.au)

#### 1.5. Emergency telephone number - Australia

Poisons Hotline (24hours / 7 days) 13 11 26)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Not classified

#### 2.2. Label elements

##### GHS-US labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		100

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First aid measures general	If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First aid after inhalation	IF INHALED: Remove to fresh air and keep
First aid after skin contact	IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
First aid after eye contact	IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First aid after ingestion	IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

### 4.1 Most important symptoms and effects, both acute and delayed

Symptoms/injuries	Not expected to present a significant hazard under anticipated conditions of normal use
After inhalation	May cause respiratory irritation.
After skin contact	May cause skin irritation.
After eye contact	Direct contact with the eyes is likely to be irritating
After ingestion:	May cause gastrointestinal irritation.

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

No additional information required

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media

: Carbon dioxide. Dry powder. Foam. Sand. Water spray.

#### 5.2.

Fire hazard

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

Explosion hazard

Product is not flammable.

Reactivity

Product is not explosive.

No dangerous reactions known under normal conditions of use.

#### 5.3. Advice for firefighters

Firefighting instructions

: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion. Avoid contact with sprayed water - material slippery when wet.

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures

: No specific emergency measures are required other than good laboratory hygiene and safety practices. Avoid exposure to fumes from processing material while hot.

##### 6.1.1. For non-emergency personnel

Protective equipment

: Wear Protective equipment as described in Section 8.

##### 6.1.2. For emergency responders

Protective equipment

: Wear suitable protective clothing, gloves and eye or face protection.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment

: Allow molten to solidify and scrape up. Contain and collect as any solid.

Methods for cleaning up

: Allow molten to solidify and scrape up. Sweep or shovel solid into appropriate container for disposal. When cool, place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling

: Do not handle until all safety precautions have been read and understood. Wear recommended personal protective equipment. Provide appropriate exhaust ventilation at places of dust forming. Avoid breathing vapors from heated material. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a dry, cool and well-ventilated place.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas. Use heat-resistant protective equipment when handling molten material. Do not breathe fumes from molten material.

Gloves. Protective goggles.  
Optional: If heating the product, wear gas mask.



Personal protective equipment

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Hand protection	Use gloves chemically resistant to this material when prolonged or repeated contact could occur.
Eye protection	Use eye protection suitable to the environment. Avoid direct contact with eyes.
Skin and body protection	Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
Respiratory protection	Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Granular material.
Color	No data available
Odor	No data available
Odor Threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	Slower than Butyl Acetate
Melting point	No data available
Freezing point	No data available
Boiling point	Not applicable
Flash point	No data available
Auto-ignition temperature	> 390 °C
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	Not applicable
Relative vapour density at 20 °C	Heavier than air
Relative density	No data available
Solubility	Water: Negligible
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	Not applicable
Viscosity, dynamic	Not applicable
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Thermal decomposition temperature is > 390 °C

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

None known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified

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Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
	Not classified
Specific target organ toxicity (repeated exposure)	
Aspiration hazard	Not classified
Symptoms/injuries after inhalation	May cause respiratory irritation.
Symptoms/injuries after skin contact	May cause skin irritation.
Symptoms/injuries after eye contact	Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	May cause gastrointestinal irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods

Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport information

In accordance with DOT Not hazardous for transport

#### Additional information

Other information : No supplementary information available.

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### iFlex by TCS

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

SARA Section 311/312 Hazard Classes None

#### 15.2. International regulations

No additional information available.

#### 15.3. US State

##### regulations California

##### Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

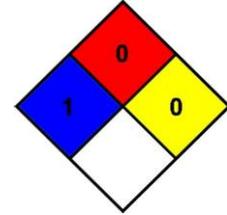
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## SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.  
Revision date : 04/04/2020  
Other information : Author: MSP.

NFPA health hazard 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.  
NFPA fire hazard 0 - Materials that will not burn.  
NFPA reactivity 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III

Rating 1  
Health 0  
Flammability 0  
Physical  
Personal Protection

All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, Thermoplastic Comfort System, Inc. makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Thermoplastic Comfort System, Inc. as to the effects of such use. Thermoplastic Comfort System, Inc. does not assume any liability arising out of use by others of the product referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.