



TCS Putty/ Item #4291-01, 4292-01, 4296-01

Safety Data Sheet

Prepared according 29CFR1910/1200 and GHS Rev 3 / Thursday, July 16, 2015

Revision date: 07/16/15

Version: 1.0

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

1.1. Product identifier

Product name : TCS Putty
Product form : Mixture
Other means of identification : Impression Material

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

Use of the substance/mixture : Create Matrix

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. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Irritant
Skin sensitization, category 1
Serious eye damage/eye irritation – category 1
Respiratory sensitization – category 1
Skin sensitization – category 1

2.2. Hazard Statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction

Precautionary statements:

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wash skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breath dust/fume/gas/vapours
Contaminated work clothing should not be allowed out of the workplace.
In case of inadequate ventilation wear respiratory protection.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
If exposed or concerned. Get medical advice/attention.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN or hair: Remove contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
Dispose of contents and container as instructed in Section 13.

SECTION 3: Composition/information on ingredients

3.1.

Ingredients		
CAS 68083-19-2	Polyvinylidimethylsiloxane	30-70%
CAS - Proprietary	Fillers	30-70%
CAS 68478-92-2	Platinum divinyltetramethyldisiloxane complex	01-1.0%

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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 measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 5 minutes.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 5 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical advice if necessary.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting. Get medical attention if you feel unwell. Never give anything by mouth to an unconscious person.

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

Irritation. Headache. Nausea. Shortness of breath.

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

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water, dry chemical, chemical foam, carbon dioxide, or alcohol resistant foam.

5.2. Advice for firefighters

Firefighting instructions : Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

Protective equipment : Wear protective eyewear, gloves, and clothing. Refer to Section 8. Use NIOSH-approved respiratory protection/breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Ensure that air-handling systems are operational.

6.2. Environmental precautions:

Should not be released into environment. Prevent reaching drains, sewer or waterway.

6.3. Methods and material for containment and cleaning up

Wear protective eyewear, gloves and clothing. Refer to Section 8. Always obey local regulations. Containerize for disposal. Refer to Section 13. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

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. Avoid contact with eyes and clothing. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in a dry, cool and well-ventilated place. Avoid extreme temperatures.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

This product contains no relevant components with limits of values to be supervised at the workplace.

8.2. Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits.

8.3. Respiratory protection:

Not required under normal conditions of use.

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8.4 Personal protective equipment : Gloves. Protective goggles.



8.5 Skin and body protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Select glove material impermeable and resistant to the substance. Wear protective clothing.

8.6 Eye protection : Use eye protection suitable to the environment. Avoid direct contact with eyes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Putty
Color	: Gray and Orange
Odor	: Bland
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Not Determined
Flash point	: Not Determined
Auto-ignition temperature	: Not Determined
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Non volatile
Relative vapour density at 20 °C	: Heavier than air
Relative density	: Not Determined
Solubility	: Soluble
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

Reactivity: Nonreactive under normal conditions.

Chemical Stability: Stable under normal conditions.

Possible hazardous reactions: None identified

Conditions to avoid: Incompatible materials: Prolonged extreme heat. Free radical initiators

Hazardous decomposition products: Not determined

SECTION 11: Toxicological information

Acute Toxicity		
Dermal	111-30-8	LD Rabbit 560 uL/kg (Source: NLM_CIP)
Inhalation	111-30-8	LC50 Rat 0.1 mg/L 4 h (Source: IUCLID)
Oral	111-30-8	LD50 Rat 252 mg/kg (Source: NLM_CIP)
Dermal	868-77-9	Dermal LD50 Rabbit > 3000 mg/kg (Source: IUCLID)

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Acute Toxicity		
Oral	868-77-9	LD50 Rat 5050 mg/kg (Source: NLM_CIP)
Chronic Toxicity	No additional Information	
Corrosion Irritation:		
Ocular		Irritating to eyes and skin
Sensitization	No additional Information	
Mutagenicity	No additional Information	

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

Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage.

SECTION 14: Transport information

In accordance with DOT

Not hazardous for transport

Additional information

No supplementary information available.

Transport by sea

Not hazardous for transport

Air transport

Not hazardous for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

TCS Putty	
SARA Section 311/312 Hazard Classes	Acute
SARA Section 313 Hazard Classes	None

15.2. International regulations

No additional information available

15.3. Proposition 65 (CA):

Chemicals known to cause cancer:

None of the ingredients listed.

15.4 Canadian Domestic Substances List (DSL)

All ingredients are listed

SECTION 16: Other information

Indication of changes

: Revision 1.0: New SDS Created.

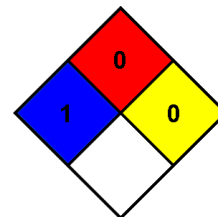
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Other information : Author: MSP.

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

Health : 1
Flammability : 0
Physical : 0
Personal Protection : 0

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.