



TCS TCS Primer / Item # 6004-01

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Tuesday, July 21, 2015/ Rules and Regulations

Revision date: 07/21/2015

Version: 1.0

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

1.1. Product identifier

Product name : TCS Primer
Product form : Liquid
Other means of identification : Bonding agent

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

Use of the substance/mixture : Bonding agent for soft liner

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

Indications of danger: Xi – Irritant
R phrases:
Irritating to eyes.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

GHS Classification

Hazard categories:
Serious eye damage/eye irritant: Eye Irrit. 2
Specific target organ toxicity – single exposure: STOT SE 3
Hazard Statement:
Highly flammable liquid and vapour
Serious eye irritation
May cause drowsiness and dizziness.

2.2. Label elements

Hazardous components which must be listed on the label:

Ethyl acetate

Hazard Statements

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness of dizziness.

Precautionary Statements

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing
Take precautionary measures against static discharge
Ground/bond container and receiving equipment.
Keep away from heat/spark/open flames/hot surfaces – No smoking.

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Chemical characterization
Chemical preparation: Prepolymer(s). Ethyl acetate.
Contains: ethyl acetate CAS – 141-78-6

TCS TCS Primer

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Tuesday, July 21, 2015/ Rules and Regulations

Hazardous components

EC No	Chemical Name	Quantity
CAS No	Classification	
Index No	GHS Classification	
REACH no		
205-500-4	Ethyl acetate	97%
141-78-6	Highly Flammable XI irritant R11-36-66-67	
607-02200-5	Flammable Liquid 2, Eye irritant 2, STOT SE 3; H225 H319 H336	

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 : Wash immediately with water and soap
- First-aid measures after eye contact : Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Call a physician to attend to the injury.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water fog. Extinguishing powder. Sand. Foam, dry chemical and CO₂.

5.2. Special hazards arising from the substance or mixture

Formation of potentially explosive mixtures with: : Product is not slightly flammable.
Air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation

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

Absorb with liquid binding material (eg sand)

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. Take precautionary measures against discharges. Use explosion-protected machinery, apparatus, suction equipment, appliances, etc.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Keep out of strong sunlight. Do not store at temperatures above 120°F or near spark or open flame.

TCS TCS Primer

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Tuesday, July 21, 2015/ Rules and Regulations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS no	Substance	ppm	Category	Origin
141-78-6	Ethyl acetate	200	TWA (8h)	WEL
		400	STEL (15min)	WEL

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. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/vapour

Personal protective equipment

: Gloves. Protective goggles.



Hand protection

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

Eye protection

: Tightly sealed safety glasses

Skin and body protection

: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection

: No special requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid
Color	: Yellow
Odor	: characteristic
Odor Threshold	: No data available
pH	: 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 150degF
Freezing point	: No data available
Boiling point	: >80 deg C
Flash point	: >-4 deg C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 100hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble in water

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Heat.

Decomposition takes place from temperatures above 80 deg C.

10.5. Incompatible materials

Oxidizing agents, peroxides, acid

10.6. Hazardous decomposition products

Can be released in case of fire: Gas / vapors, irritant

TCS TCS Primer

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Tuesday, July 21, 2015/ Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

LD50: Rat. 5000 mg/kg

Irritation and corrosively

Irritant effect on the skin: prolonged action.

Irritant effect on the eye: irritant

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Product is biodegradable

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

Land Transport (ADR/RID)

14.1 **UN Number:** 1173
14.2 **UN proper shipping name:** ethyl acetate
14.3 **Transport hazard class:** 3
14.4 **Packing group:** II
Hazard label: 3
Classification Code: F1
Limited quantity: 1L
Transport category: 2
Hazard No: 33
Tunnel Restriction code D/E

Marine Transport (IMDG)

14.1 **UN Number:** 1173
14.2 **UN proper shipping name:** ethyl acetate
14.3 **Transport hazard class:** 3
14.4 **Packing group:** II
Hazard label: 3
Limited quantity: 1L
EmS: F-E,S-D

Air transport (ICAO)

14.1 **UN Number:** 1173
14.2 **UN proper shipping name:** ethyl acetate
14.3 **Transport hazard class:** 3
14.4 **Packing group:** II
Hazard label: 3
Limited quantity: 1L
IATA-packing instructions-Passenger 353
IATA-max quantity – Passenger 5L
IATA packing instructions 364
IATA max quantity – Cargo 60L

14.5 Environmental hazards

Not dangerous for the environment

TCS TCS Primer

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Tuesday, July 21, 2015/ Rules and Regulations

SECTION 15: Regulatory information

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

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

SECTION 16: Other information

Full text of R phrases referred to under Sections 2 and 3

Highly flammable liquid and vapour.

Causes serious eye irritation.

Repeated exposure may cause skin dryness or cracking

May cause drowsiness of dizziness.

Full text of H phrases referred to under Sections 2 and 3

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness of dizziness.

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.