

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 3form Koda XT

Manufacturer/Supplier:
3form, Salt Lake City, UT 84119

MSDS Prepared by: 3form Technical Support and Product Development, 3form, Salt Lake City, UT 84119

For Emergency Health, Safety, and Environmental Information or Other Information, 3form
Call 800-726-0126 or 801-649-2500

Chemical Name: Polycarbonate Resin Sheet

CAS# 25037-45-0

Product Use: Plastic

2. COMPOSITE/INFORMATION ON INGREDIENTS (Typical composition given. Composition may vary slightly.)

<u>Weight %</u>	<u>Component</u>
100%	polycarbonate

3. HAZARDOUS IDENTIFICATION

CAUTION! HOT MATERIAL WILL PRODUCE THERMAL BURNS

0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe

HMIS Hazard Ratings:

Health = 0

Flammability = 1

NFPA Hazard Ratings:

Health = 0

Flammability = 1

Chemical Reactivity = 0

Instability = 0

HMIS and NFPA ratings may vary from company to company.

4. FIRST AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eyes: If saw dust material contacts the eye, immediately flush with water for at least 15 minutes. If possible, remove contact lenses. Seek medical attention immediately.

Skin: If burned by contact with hot material, cool as quickly as possible. Do not peel material from skin.

Note to Physicians: Burns should be treated as thermal burns. The material will come off as healing occurs: therefore, immediate removal of skin is not necessary.

Ingestion: If saw dust from material is ingested, induction of vomiting should not be necessary as material is not expected to be absorbed from the gastrointestinal tract.

5. FIRE FIGHTING MEASURES

Extinguishing Media: water spray, dry chemical

Special Fire-fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: carbon dioxide, carbon monoxide

Unusual Fire and Expulsion Hazards: Powdered material may form explosive dust-air mixtures.

6. ACCIDENTAL RELEASE MEASURES

Sweep up saw dust and place in a container for salvage or disposal.

7. HANDLING AND STORAGE

Personal Precautionary Measures: No special precautionary measures should be needed under anticipated conditions of use.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials. Minimize dust generation and accumulation.

Storage: Store sheets in the horizontal position in a cool and dry environment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn (Dust respirator). If respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152.

Eye Protection: It is a good industrial hygiene practice to minimize contact with eyes and wear eye protection when working with these materials..

Skin Protection: It is good industrial hygiene practice to minimize contact with skin. When material is heated, wear gloves to protect against thermal burns.

Recommended Decontamination Facilities: eye bath, washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES°

Physical form: Solid

Appearance: Sheet

Color: Tint

Odor: Slight

pH: N/A

Boiling point: N/A

Melting Range: 428 – 446 °F (220 – 230 °C)

Softening point: 302 – 320 °F (150 – 160 °C)

Auto ignition Temperature: >842 °F (> 450 °C)

Flash Point: >842 °F (> 450 °C)

Decomposition Temperature: 716 °F (380 °C)

Solubility in Water: Insoluble

Specific Gravity: approximately 1.2

Bulk Density: 38 – 42 lb/ft³

Vapor pressure: N/A

Vapor density: N/A

10. STABILITY AND REACTIVITY

Stability: This material is stable.

Incompatibility: Strong oxidizing agents.
Hazardous Polymerization: Will not occur.
Hazard Decomposition Products: By fire thermal decomposition: Carbon dioxide; Bisphenol A; Carbonic Acid; Diphenyl Ester; Carbon monoxide, hydrocarbons, phenol derivatives.

11. TOXICOLOGICAL INFORMATION

Effects of Exposure:

Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel.

Eyes: Hot material will produce thermal burns.

Skin: Hot material will produce thermal burns.

Ingestion: Expected to be a low ingestion hazard.

12. ECOLOGICAL INFORMATION

No ecological information available.

13. DISPOSAL CONSIDERATIONS

Material may be incinerated or land filled in compliance with national, state and local environmental control regulations.

14. TRANSPORT INFORMATION

Technical Shipping Name: Polycarbonate Resin Sheets
Freight Class Bulk: Plastic Sheets

Material is considered Non-Regulated by all of the following:

DOT (Domestic Surface)
IMO/IMDG Code (Ocean)
ICAO/IATA (Air)

15. REGULATORY INFORMATION

OSHA Status: This product is not hazardous under the criteria of the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in section 3.

CERCLA reportable quantity: None reported

SARA Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazard Categories: Non- Hazardous under Section 311/312

Section 313 Toxic Chemicals: None

15. REGULATORY INFORMATION (Continued)

RCRA Status: If discarded in its purchased form, this product would not be hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

16. OTHER INFORMATION

General: Minimize dust generation and accumulation.

First Aid: If burned by contact with hot material, cool as quickly as possible and seek medical attention. If hot material contacts the eye, immediately flush with plenty of water for at least 15 minutes and if possible remove contact lenses. Receive medical attention immediately. If saw dust gets in the eye, also flush with water for 15 minutes.

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