



# Cleartack® W 85

## Safety Data Sheet

According to OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

### Section 1: Identification

#### 1.1. Product identifier

Product form : Substance  
Product Identifier(s) : Cleartack® W 85  
Cleartack® W 85 C  
Cleartack® W 85 OS  
CAS-No. : 9011-11-4

#### 1.2. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Additive for paints, coatings, inks, adhesives  
Rubbers

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

TotalEnergies Petrochemicals & Refining USA, Inc.  
Cray Valley Division  
PO Box 674411  
Houston, TX 77267-4411

For non-emergency product information:  
Phone: 713-483-5000  
Email: product.stewardship@totalenergies.com

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (Toll Free USA & Canada) / 703-527-3887 (Multiple languages)  
TotalEnergies Petrochemicals & Refining USA, Inc.: 1-800-322-3462 (Language: English only)

### Section 2: Hazards identification

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

##### Classification (GHS-US)

Combustible Dust

#### 2.2. Label elements

##### GHS US labeling

Signal word (GHS US) : Warning  
Hazard statements (GHS-US) : **If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air**  
Precautionary statements (GHS-US) : Precautionary statements not required. Consult the SDS for additional safety information.

#### 2.3. Hazards not otherwise classified

Other hazards which do not result in classification : Product can accumulate electrostatic charges that may cause fire by electrical discharges.

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

Not applicable

#### 2.5. Additional information

Based on conditions common to industrial workplace use of this product : Contact with skin or eyes with hot material may cause serious thermal burns.  
Vapors formed when material is processed at high temperatures may be irritating to the eyes and upper respiratory tract.

Based on professional judgment, inconclusive testing, or sensitive individuals : Dust from this product may cause respiratory irritation.  
Repeated or prolonged contact may cause slight irritation to the skin

### Section 3: Composition/Information on ingredients

#### 3.1. Substance

Substance type : Polymer

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Name : Clartack® W 85  
CAS-No. : 9011-11-4  
Chemical name : Ethenylbenzene, copolymer with (1-methylethenyl)benzene  
Generic name : Hydrocarbon Resin

### 3.2. Mixture

Not applicable

## Section 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. If irritation persists, consult a doctor. Heated Material: For serious burns from heated material, get medical attention. In case of skin contact, immediately immerse in or flush with clean, cold water. Do not remove clothing adhering to the skin.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking, tears or redness persist. Heated Material: For serious burns from heated material, get medical attention. In case of contact with the eyes : Rinse immediately with plenty of water for 15 minutes.  
First-aid measures after ingestion : Rinse mouth out with water. If necessary seek medical advice.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

## Section 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray or fog. Carbon dioxide. Foam. Dry chemical. Dry powder. Sand.  
Unsuitable extinguishing media : Use of heavy stream of water may spread fire.

### 5.2. Special hazards arising from the chemical

Fire hazard : Vapors generated from overheating/melting/decomposition may be flammable and may cause fire/explosion if source of ignition is present.  
Explosion hazard : Potential dust explosion hazard. Avoid raising powdered material due to explosion hazard. Local exhaust and general room ventilation are both essential to prevent accumulation of flammable vapor or dust mixtures.  
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>). Toxic fumes. aromatic hydrocarbons.

### 5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Use water spray or fog for cooling exposed containers. Avoid raising powdered materials into airborne dust, creating an explosion hazard. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

## Section 6: Accidental release measures

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

Emergency procedures for non-emergency personnel : Ensure adequate ventilation. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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

For containment : If spilled, may cause the floor to be slippery. Sweep up or vacuum up the product. Keep recovered product for subsequent disposal. Do not allow to enter drains or water courses. On water, recover/skim from surface and pour out in disposal container.  
Other information : Dispose of contaminated material at an authorized site. Notify authorities if product enters sewers or public waters.

### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with heated product to prevent burns.

When heated above 170 °C for at least 20 minutes, alpha-methyl styrene is generated by depolymerization. Wear Approved organic vapor respirator.

Combustible dust precautions: Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Use only non-sparking tools. Avoid raising powdered material due to explosion hazard. Prevent the build-up of electrostatic charge. Refer to the latest edition of the National Fire Protection Association (NFPA) 654 publication, "Standard for the Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries", and "Combustible Dust in Industry: Preventing and Mitigating the Effects of Fire and Explosions" (OSHA SHIB, July 31, 2005, updated Nov. 12, 2014, <https://www.osha.gov/dts/shib/shib073105.html>) for a complete discussion on dust explosion prevention and control measures. The low Glass Transition (Tg) temperature of this product makes it prone to remassing.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Electrical equipment should conform to the National Electric Code.

Storage conditions : Keep container tightly closed. Store in a dry, cool area. Protect from sunlight. Store in a well-ventilated place.

Incompatible materials : Strong oxidizing agents.

Storage temperature : < 25 °C

Packaging materials : Plastic.

### Section 8: Exposure controls/personal protection

#### 8.1. Occupational Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV, or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Ethenylbenzene, copolymer with (1-methylethenyl)benzene (9011-11-4)		
USA ACGIH	ACGIH OEL TWA	10 mg/m <sup>3</sup> inhalable dust 3 mg/m <sup>3</sup> respirable dust
USA ACGIH	Remark (ACGIH)	Particulates, not otherwise classified
USA OSHA	OSHA PEL TWA	15 mg/m <sup>3</sup> (total dust)
USA OSHA	Remark (OSHA)	Particulates, not otherwise classified

#### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Safety shower. If handling results in dust generation or high temperatures, local exhaust ventilation should be provided to insure that exposure to dust or decomposition products does not exceed the exposure recommended levels. Eye fountain.

Hand protection : Protective gloves.

Eye protection : Safety glasses with side shields.

Skin and body protection : Wear suitable protective clothing. Safety foot-wear.

Respiratory protection : In case of inadequate ventilation wear respiratory protection. Dust/aerosol mask with filter type P1.

Thermal hazard protection : Insulated gloves.

Environmental exposure controls : Avoid release to the environment.

### Section 9: Physical and chemical properties

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

Physical state : Solid

Color : Colorless.

Odor : Mild. Hydrocarbon.

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : Not applicable

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Initial boiling point and boiling range	: Not applicable
Flash point	: > 250 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability	: No data available
Vapor pressure	: Not applicable
Relative vapor density at 20°C	: Not applicable
Relative density	: No data available
Density	: 1.05 – 1.07 g/cm <sup>3</sup> (20°C)
Solubility	: soluble in most organic solvents. Soluble in aromatic hydrocarbons. Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosion limits	: No data available

### 9.2. Other information

Explosive properties	: Dust may form explosive mixture in air Explosion Index, Kst (bar. m/s) : 200 - 315* Max. Explosive Pressure (Pmax), bar : 8.8*.
Minimum ignition energy	: 1 – 3 mJ *
Softening point	: 80 – 88 °C
Additional information	: Data denoted with an asterisk is from a representative product or class of products

## Section 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Dust may form explosive mixture in air.

### 10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. High temperature. Avoid dust formation. Direct sunlight. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

When heated above 170 °C for at least 20 minutes, alpha-methyl styrene is generated by depolymerization.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure : Inhalation. Ingestion. Skin and eye contact.

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Not classified  
Not irritating to skin  
(rabbit)

Serious eye damage/irritation : Not classified

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Respiratory or skin sensitization	: Not classified Does not cause cutaneous sensitization for guinea-pigs
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified (Not applicable)

### Section 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Do not allow product to spread into the environment.

#### 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 : Transfer to a safe disposal area in accordance with federal, state, and local regulations.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

### Section 14: Transport information

#### US Transport (DOT) for Bulk Shipments (Non-Bulk Shipments May Differ)

Not regulated by US DOT

#### Transport by sea (IMDG)

Not regulated by IMDG

#### Air transport (IATA)

Not regulated by IATA

### Section 15: Regulatory information

#### 15.1. US Federal regulations

##### EPA TSCA Status

All components of this product are listed or exempt from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Active inventory. This product has no special requirements under TSCA, such as significant new use rules (SNUR), consent orders, test rules, or sections 4, 5, 6, 8(a), 8(d), 12(b) requirements.



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US OSHA LABEL as specified under 29 CFR §1910.1200 (f). The label shown may include supplemental information in addition to required elements.

### Clear tack® W 85

TotalEnergies Petrochemicals & Refining USA, Inc., Cray Valley Division  
PO Box 674411  
Houston, TX 77267-4411 USA  
Tel. 713-483-5000

#### Warning

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air

Precautionary statements not required. Consult the SDS for additional safety information.

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SDS REFERENCE NUMBER: FP11703

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