



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name: TOTAL COAT UNDERCOATING
Use: Underbody coating - noise dampening -
Article Code: TC UC
Manufacturer: Total Coat

Direction: Via Gustavo Baz Prada 53 E , Industrial Naucalpan 3 Seccion
Naucalpan, Edo de Mexico, CP 53370
E-mail: totalcoat@movistar.net.ve / totalcoat@gmail.com
Web-site: www.totalcoat.com
Emergency telephone: +52 1 5527280291 (24 hours)

2. COMPOSITION / DATA ON INGREDIENTS

OSHA Hazardous Ingredients: Carbon Black (CAS No. 1333-86-4). Exposure limit: 3.5 mg/m3.
NJTS No. 29943300001-4059 (Eye irritant)
NJTS No. 29943300001-4019 (Eye irritant)

Chemical Identity	Nº CAS/EINECS	Concentration (%) p/p
SYNTHETIC POLYMER MIX	N.A	40 - 60
CARBON BLACK	1333-86-4	1 - 2
PLASTIFIER	84-74-2	1 - 5
CALCIUM CARBONATE	1317-65-3	40 - 50
POLYAMINE	N.A	4 - 8
Water	N.A	20 - 40

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Harmful if ingested.

Primary Route(s) of Entry: Dermal, ingestion, inhalation and eyes

Potencial Health Effects: Target organ effects: Stomach / lungs.

Carcinogenicity (NTP, IARC, OSHA): Carbon black (CAS No. 1333-86-4): IARC: possible human carcinogen (Group 2B)

MATERIAL SAFETY DATA SHEET

4. FIRST AID MEASURES

Inhalation:	Do not breathe spray mist. If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes
Skin:	For skin contact, wash thoroughly affected areas with plenty of soap and water. Get medical attention if irritation occurs.
Eyes:	For eye contact, flush eyes with plenty of water for several minutes. Get medical attention if irritation persists.
Ingestion:	If swallowed, give at least 2-3 glasses of water but do not induce vomiting. If vomiting occurs, give water again. Do not give anything by mouth to an unconscious person. Get medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.
Overexposure Effects:	Contains Carbon Black. Continuous exposure to Carbon Black above the permissible exposure limit can cause effects on the lung function and lung changes such as Interstitial Fibrosis. Prolonged skin contact can cause discoloration of the skin and may cause skin lesions. Eye contact may cause eye irritation due to mechanical abrasion.

5. FIRE FIGHTING MEASURES

Flash point:	Not applicable
Fire Fighting Equipment:	Use common equipment. Mouth respiratory protective device.
Fire Fighting Extinguishing Media	Carbon dioxide, dry chemical, foam, water and/or water mist.
Fire and Explosion Hazards:	No fire hazards.
Hazardous Combustion Products:	Burning may produce oxides of carbon and nitrogen, hydrogen cyanide as well as other toxic gases and vapors.

6. ACCIDENTAL RELEASE MEASURES:

Clean with rags or other absorbent material. Shovel into closable container for disposal. Or let it dry and dispose as a common plastic.

7. HANDLING AND STORAGE:

Precautions:	In accordance with good industrial practice, handle with care avoid unnecessary personal contact. Use with adequate ventilation. Wash hands and face thoroughly before eating, drinking or smoking. Avoid storage under direct sun or in hot places.
Keep From Freezing. For industrial Use Only.	
Storage Information:	Keep containers tightly closed when not in use and during transportation. Product contains a California Proposition 65 listed substance known to the state to cause cancer or reproductive toxicity: C.I Pigment Black 7, CAS# 001333-86-
CALPROP65 Label Information:	4.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<p>Exposure Guidelines: OSHA PEL: 3,5 mg/m³ TWA ACGIH TLV: 3,5 mg/m³ TWA NIOSH IDLH: 1750 mg/m³</p>	<p>For carbon black (CAS No. 1333-86-4):</p> <p>Carcinogenicity: Carbon black is listed as a possible human carcinogen (Group 2B) and a known animal carcinogen by IARC.</p>
<p>Skin Protection:</p>	<p>Protective gloves as a standard industrial handling procedure.</p>
<p>Respiratory Protection:</p>	<p>Dust mask. Use NIOSH approved respirator when needed.</p>
<p>Eye Protection:</p>	<p>Wear splash-proof chemical goggles or complete face shield</p>
<p>Engineering Controls:</p>	<p>Local exhaust or dust collection system is recommended.</p>



9. PHYSICAL AND CHEMICAL PROPERTIES

<p>Color:</p>	<p>Black</p>
<p>Odor:</p>	<p>Very slight, characteristic.</p>
<p>Physical state:</p>	<p>Viscous-Liquid</p>
<p>Solubility in Water:</p>	<p>~ 20%</p>
<p>Vapor Pressure:</p>	<p>As water</p>
<p>Specific Gravity</p>	<p>1,37 +/- 0,05 g/ml</p>
<p>Boiling Point: (°C)</p>	<p>~ 100 °C (~212 °F)</p>
<p>Melting Point</p>	<p>Not applicable</p>
<p>Freezing Point</p>	<p>0°C</p>
<p>VOC</p>	<p>-0,05%</p>
<p>pH at 25°C:</p>	<p>7,2 a 7,5 to 30%</p>
<p>% Solids</p>	<p>65 +/- 5%</p>
<p>Viscosity cPs</p>	<p>30.000 to 60.000 cPs 25°C</p>

MATERIAL SAFETY DATA SHEET

10. ESTABILITY AND REACTIVITY

Conditions to Avoid:	Keep from freezing
Stability:	Stable
Incompatibility:	No unusual hazards
Hazardous Polymerization:	No dangerous reactions known. Polymerization begins at 60°C
Hazardous Decomposition Products:	Burning may produce oxides of carbon and nitrogen, hydrogen cyanide as well as other toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION

Additional Information:

For Cabon Black (CASNo. 1333-86-4):

Acute oral LD50 (Rat):	greater than 5,000 mg/kg (similar products)
Acute Dermal LD 50:	not available
Acute Inhalation LC50:	not available
Acute skin irritation (Rabbit):	non-irritating
Acute eye irritation (Rabbit)	non-irritation

Chronic (Human): Carbon Black workers exposed to air concentrations of approximately 7,2mg/m³ for an average duration of 12.9 years were found to exhibit decreased lung function and lung changes characterizaed by interstitial fibrosis; smoking was found to increase these effects. Carbon Balck used in tatoos has been found to cause skin lesions and blackheads in some individuals.

Overexposure Effects: Contains Carbon Black. Cotinuous exposure to Carbon Black above the permissible exposure linit can cause effects on the lung function and lung changes such as Interstitial Fibrosis. Prolonged skin contact can cause discoloration of the skin and may cause skin lesions and/or blackheads. Eye contact may cause eye irritation due to mechanical abrasion.

Carcinogenicity: This product has no chemicals listed as carcinogen by NTP or OSHA. IARC-Group 2B (known animal carcinogen, possible human carcinogen).

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Non-Toxic. Is not expected to pose a hazard to the environment.
Biological degradation:	Water soluble until 80%

13.DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Dispose in accordance with all federal, state, and local regulations. Must not be disposed directly to water courses.
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14. TRANSPORT INFORMATION

Department of Transportation:	Not regulated as hazardous material by U.S Dept. of Transportation (DOT) 49 CFR 172
Additional Information:	Not regulated by IATA or IMDG.

15. OTHER INFORMATION

Classification NFPA 704

Tag NFPA

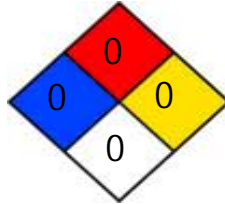
Health Risk

Toxicity: 0

Flamability: 0

Reactivity: 0

Specific Danger: 0



0: Minimum

1: Slightly Dangerous

2: Moderate Dangerous

3: Severe Dangerous

4: Highly dangerous

NOTE:

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.