



Material Safety Data Sheet

Uniplas, Inc.

MSDS: LCA® TPE

Section 1

Uniplas, Inc.
1145 Sutton Street
Howell, MI 48843

Telephone Numbers: (517) 295-4196
Product Information (Uniplas, Inc.)
Transportation Emergency – Chemtrec:
(800) 424-9300

MATERIAL IDENTIFICATION

PRODUCT NAME:	LCA® TPE 40D LCA® TPE 45D LCA® TPE 55A LCA® TPE 64A LCA® TPE 73A		
CHEMICAL NAME:	Thermoplastic Elastomer		
CAS NO.:	Carbon Black (if Black)	1333-86-4	0.0 - 6.0%
	Paraffin Wax		0.0 – 1.5%
PRODUCT USE:	Engineering Thermoplastics		

Section 2

HAZARDOUS INGREDIENTS (Additives not hazardous by 29 CFR 1910.1200)

Identity	CAS Number	Concentration

Section 3

HEALTH HAZARD DATA

Acute or immediate effects: If dust is generated, it could scratch the eyes and cause minor irritation to the respiratory tract. When heated, the vapors/fumes given off may cause respiratory tract irritation.

Routes of entry and systems

Ingestion:	Not likely route of exposure. Seek medical attention
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Skin:	Molten material may cause thermal burns.
Eye:	Dust may cause mechanical irritation
Inhalation:	Dust may irritate respiratory tract.

Section 4

EMERGENCY FIRST AID

Eyes:	Flush thoroughly with water. If irritation occurs, seek medical assistance
Skin:	Wash contact area with soap and water. For hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and seek immediate medical attention.
Inhalation:	At ambient handling temperatures, no adverse effects are expected. In case of adverse exposure to vapors and or aerosols formed at processing temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest.
Ingestion:	First aid is normally not required. Seek medical attention if discomfort occurs. No adverse effects due to ingestion are expected.
Chronic Effects:	
Medical Conditions generally aggravated by this material:	

Section 5

FIRE AND EXPLOSION HAZARD DATA

Flash Ignition Temperature:	N/A
Unusual Fire/Explosion Hazards:	Explosion. Avoid generating dust. Fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard.
Hazardous Combustion Products:	Smoke, fume, incomplete combustion products. Oxides of carbon, formaldehyde, and flammable



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	hydrocarbons
Special Fire Fighting Instructions:	Assure an extended cooling down period to prevent re-ignition. Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and, in enclosed spaces, self-contained breathing apparatus. Use water spray to cool fire-exposed surfaces and to protect personnel.
Extinguishing Media:	Water, foam, dry chemical, carbon dioxide

Section 6

ACCIDENTAL RELEASES

Spill or Release: Spilled pellets present a slipping hazard on walking surfaces. Prevent dust cloud. Sweep or shovel material into clean, dry container and cover loosely; move containers from spill area.

Section 7

STORAGE CONDITIONS

NORMAL HANDLING: Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dust from material can accumulate electrostatic charges due to friction from transfer and mixing operations, and cause an electrical spark. Provide adequate precautions to ignition sources, such as electrical grounding and bonding, inert atmosphere or non-sparking tools. However bonding and grounds may not eliminate the hazard for static accumulation. Eliminate all ignition sources. Avoid vapors from heated materials to prevent exposure to potentially toxic fumes. Provide adequate ventilation. Prevent small spills and leakage to avoid slipping hazard.

STORAGE RECOMMENDATIONS: Keep in a tightly sealed container. Keep away from sources of moisture, ignition, and excessive heat.

Section 8

PROTECTION INFORMATION



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Eye:	If contact is likely, safety glasses with side shields are recommended
Skin:	Any specific clothing information provided is based on published literature or manufacturer data. Types to clothing to be considered for this material include long sleeves, thermal protection, and chemical resistant aprons
Ventilation:	Local exhaust should be employed in situations where general ventilation is inadequate.
Respirator:	If engineering controls do not maintain airborne contaminants at a level adequate to protect worker health, an approved respirator may be appropriate. Respirator should be NIOSH/MSHA approved.
Additional Protective Measures:	Observe good industrial hygiene practices.

Section 9

PHYSICAL/CHEMICAL DATA

Appearance:	Solid Pellet
Odor:	Rubberlike
Melting Point:	347F (175C) – 446F (230C)
Solubility in Water:	Negligible
Volatile Content %:	
Specific Gravity:	

Section 10

HAZARDOUS REACTIVITY

Stability at Room Temperature:	Stable
Materials to Avoid:	Strong oxidizers, halogenated compounds, phenolic resins, acetal resins
Conditions to Avoid:	Elevated temperatures for prolonged periods of time. Elevated temperatures > 500F (260C)
Decomposition Temperature:	
Decomposition Products:	Does not decompose at ambient temperatures.

Section 11

TOXICOLOGICAL INFORMATION



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Toxicity Data for:

Acute Toxicity

Eye Effects: Dust may be irritating to the eyes.

Skin Effects: Negligible

Other Acute Effects:

Medical Conditions Prone to Aggravation by Exposure:

Carcinogenicity: Carbon Black

NTP –

IARC – 2B

OSHA -

Section 12

ECOLOGICAL INFORMATION

Not expected to be harmful to aquatic organisms

Section 13

DISPOSAL

Waste Disposal: Supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of disposal.

Section 14

TRANSPORT INFORMATION

DOT Hazard Class:	Not Regulated
Technical Shipping Name:	N/A
Freight Class Bulk:	N/A
Freight Class Package:	N/A
Product Label:	N/A

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REGULATORY INFORMATION



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OSHA Status: Not classified as hazardous in accordance with OSHA 29 CFR 1910.1200

SARA TITLE III:

Section 302 – Extremely Hazardous Substances:

Section 311/312 Hazard Categories:

Section 313 Toxic Chemicals:

RCRA Status:

United States TSCA Status: Listed

STATE RIGHT TO KNOW LAWS – The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state

Chemical Name	CAS Number	Citation
Carbon Black	1333-86-4	ACGIH ALL, OSHA Z, CA P65 CARC, IL RTK, MN RTK, NJ RTK, PA RTK, RI RTK
Magnesium Oxide	1309-48-4	ACGIH ALL, OSHA Z, IL RTK, MN RTK, NJ RTK, RI RTK
Paraffin Wax	8002-74-2	ACGIH ALL, IL RTK, MN RTK, NJ RTK, RI RTK
Zinc Oxide	1314-13-2	MI 293

HMIS Rating

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Health	1
Flammability	1
Reactivity	1
PPE	
# Acute *Chronic	

Section 16

MISCELLANEOUS INFORMATION



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Uniplas, Inc.

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of Uniplas, Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones that exist. Uniplas, Inc. makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefore.

END OF MSDS