

# Material Safety Data Sheet

acc.to ISO/DIS 11014

**SIGA-Majpell**

Version 2.1

Reviewed on: 11/29/2012  
Replaces edition of: 10/30/2012

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Trade name: **SIGA- Majpell**

Relevant identified uses of the substance or mixture and uses advised against:

Application of the substance / the preparation:

**Vapour control layer**

Details of the supplier of the safety data sheet:

Manufacturer/Supplier:

**SIGA Cover, Inc.  
8001 Irvine Center Drive  
Suite 400  
Irvine  
California 92618  
USA**

Information department:

**E-Mail: [technics@sigacover.com](mailto:technics@sigacover.com)**

Emergency telephone number:

**Tel. 1-855-733-7442 (while office-time)**

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

**The product is not classified according to the Globally Harmonized System (GHS).**

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

**Not applicable**

Information concerning particular hazards for human and environment:

**The product does not have to be labelled due to the calculation procedure of international guidelines.**

Classification system:

**The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.**

Label elements:

GHS label elements:

**Void**

Hazard pictograms:

**Void**

Signal word:

**Void**

Hazard statements:

**Void**

NFPA ratings (scale 0 - 4):



Health = 0  
Fire = 1  
Reactivity = 0

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HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	1
REACTIVITY	0

Health = 0  
Fire = 1  
Reactivity = 0

Other hazards:

Results of PBT and vPvB assessment:

PBT: **Not applicable.**

vPvB: **Not applicable.**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:	<b>Mixtures</b>
Description:	<b>Flexible composite material made of polypropene PE and polypropylene PP</b>
Dangerous components:	<b>Void</b>

### 4. FIRST AID MEASURES

Description of first aid measures:

General information:

**No special measures required.**

After inhalation:

**If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.**

**If affected are exposed to fumes from overheating or combustion, then bring victim to fresh air.**

**If breathing is irregular or if respiratory arrest occurs, then administer artificial respiration.**

After skin contact:

**Do not pull solidified product away from the skin. When molten polymer applied to the skin, cool rapidly with water. Can cause burns. Then medical treatment.**

After eye contact:

**This product is an inert substance. If parts gets into the eyes, remove as usual for foreign bodies.**

After swallowing:

**If symptoms persist consult doctor.**

Information for doctor:

Most important symptoms and effects both acute and delayed:

**No further relevant information available.**

Indication of any immediate medical attention and special treatment needed:

**No further relevant information available.**

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## 5. FIREFIGHTING MEASURES

<u>Extinguishing media:</u> Suitable extinguishing agents:	<b>CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Extinguish fire by cooling with water spray.</b>
For safety reasons unsuitable extinguishing agents:	<b>Water with full jet.</b>
Special hazards arising from the substance or mixture:	<b>Carbon Monoxide and Carbondioxide Nitrogen oxides (NOx) Combustible product, melted in the heat. Smoke.</b>
<u>Advise for firefighters:</u> Protective equipment:	<b>Condense escaping vapors with water spray.</b>
Additional information:	<b>Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.</b>

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	<b>Particular danger of slipping from lying foil on the floor.</b>
Environmental precautions:	<b>Do not allow product to reach sewage system or any water course.</b>
Methods and material for containment and cleaning up:	<b>Send for recovery or disposal in suitable receptacles. Pick up mechanically.</b>
Reference to other sections:	<b>No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</b>

## 7. HANDLING AND STORAGE

Precautions for safe handling:	<b>Upon heating of the product: Provide adequate ventilation of the workplace. In certain cases use appropriate local exhaust ventilation at workplace.</b>
Information about protection against explosions and fires:	<b>Protect against electrostatic charges.</b>
<u>Conditions for safe storage, including any incompatibilities:</u> <u>Storage:</u> Requirements to be met by storerooms	

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and receptacles:

**Store in a cool location.  
Storage on pallets in dry and closed rooms with a solid surface.  
Loose roles stacked in containers, racks or secured by wedges.  
Pallets with lying rolls should not be stacked.  
Products stacked in cardboard boxes up to 5.5 m height.**

Information about storage in one common storage facility:

**Protect from heat and direct sunlight.  
Store in dry conditions.**

Further information about storage conditions:

**Ambient temperature**

Specific end use(s):

**Transport: On pallets in truck or wagon at ambient temperature.  
Loading and unloading temperature: ambient temperature**

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

**Use appropriate local exhaust ventilation.**

Control parameters:

Components with limit values that require monitoring at the workplace:

**The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.**

Additional information:

**The lists that were valid during the creation were used as basis.**

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

**Wash hands before breaks and at the end of work.**

Breathing equipment:

**Not necessary.**

Eye protection:

**Face protection**

Body protection:

**Protective work clothing**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

General information:

Form:

**Solid**

Color:

**White**

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Odor:	<b>Odorless</b>
Odour threshold:	<b>Not determined</b>
pH-value:	<b>Not applicable</b>
<u>Change in condition:</u>	
Melting point/Melting range:	<b>222.8-329°F (106 -165 °C)</b>
Boiling point/Boiling range (°F / °C):	<b>Undetermined</b>
Flash point:	<b>626°F (330°C) (DIN 51755)</b>
Flammability (solid, gaseous) (°F / °C):	<b>Not determined</b>
Ignition temperature:	<b>&gt;644°F (&gt;340°C) (DIN 51794)</b>
Decomposition temperature:	<b>Not determined</b>
Auto igniting:	<b>Product is not selfigniting</b>
Danger of explosion: (Vol-%):	<b>Product does not present an explosion hazard</b>
Explosion limits:	<b>lower: Not determined upper: Not determined</b>
Vapor pressure: (mm Hg / hPa):	<b>Not applicable</b>
Density at 68°F (20°C):	<b>7.594-7.928 lbs/gal (0.91-0.95 g/cm<sup>3</sup>)</b>
Relative density:	<b>Not determined</b>
Vapour density:	<b>Not applicable</b>
Evaporation rate:	<b>Not applicable</b>
Solubility in / Miscibility with Water:	<b>Soluble</b>
Partition coefficient (n-octanol/ water):	<b>Not determined</b>
<u>Viscosity:</u>	
Dynamic:	<b>Not applicable</b>
Kinematic:	<b>Not applicable</b>
<u>Solvent content:</u>	
Organic solvents:	<b>0.0 %</b>
Solids content:	<b>100.0 %</b>
Other information:	<b>No further relevant information available.</b>

## 10. STABILITY AND REACTIVITY

Reactivity:

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Chemical stability:

Thermal decomposition / conditions to be avoided:

**To avoid thermal decomposition do not overheat. No decomposition if used according to specifications. Temperatures > 300 °C and exposure to the sunlight or UV-light can lead to decomposition of the polymers.**

Possibility of hazardous reactions:

**No dangerous reactions known.**

Conditions to avoid:

**No further relevant information available.**

Incompatible materials:

**Strong oxidizing agent, strong bases.**

Hazardous decomposition products:

**Carbon monoxide and carbon dioxide  
Acrolein, tetrahydrofuran, aldehydes, ketones.**

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects:  
Acute toxicity, Primary irritant effect:**

LD/LC50 values that are relevant for classification:

9003-07-0 Polypropylen:

**Oral LD50 ca 0.01 lb/lb (ca 5000 mg/kg) (rat)**

Primary irritant effect:

on the skin:

**Contact with the hot product may cause burns.**

on the eye:

**Mechanical irritation by particles.**

By inhalation:

**Low health risk at normal ambient temperatures. When exposed to high temperatures, it may produce vapors and/or aerosol, which irritate the eyes and respiratory tract.**

Sensitization:

**No sensitizing effects known.**

Additional toxicological information:

**The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.**

NTP (National Toxicology Program):

**None of the ingredients is listed.**

## 12. ECOLOGICAL INFORMATION

Toxicity:

Aquatic toxicity:

**No further relevant information available.**

Persistence and degradability:

**Not easily biodegradable**

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Bioaccumulative potential:	<b>No further relevant information available.</b>
Mobility in soil:	<b>No further relevant information available.</b>
Additional ecological information: General notes:	<b>Not hazardous for water</b>
Results of PBT and vPvB assessment: PBT:	<b>Not applicable.</b>
vPvB:	<b>Not applicable.</b>
Other adverse effects:	<b>No further relevant information available.</b>

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### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Recommendation:	<b>Can be reused after reprocessing. Smaller quantities can be disposed of with household waste.</b>
Uncleaned packagings: Recommendation:	<b>Disposal must be made according to official regulations.</b>

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### 14. TRANSPORT INFORMATION

<u>UN-Number:</u> DOT, ADR, ADN, IMDG, IATA:	<b>Void</b>
<u>UN proper shipping name:</u> DOT, ADR, ADN, IMDG, IATA:	<b>Void</b>
<u>Transport hazard class(es):</u> DOT, ADR, ADN, IMDG, IATA: Class:	<b>Void</b>
<u>Packing group:</u> DOT, ADR, IMDG, IATA:	<b>Void</b>
Special precautions for user:	<b>Not applicable.</b>
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	<b>Not applicable.</b>
UN "Model Regulation":	-

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### 15. REGULATORY INFORMATION

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

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Sara:

Section 355 (extremely hazardous substances):

**None of the ingredient is listed.**

Section 313 (Specific toxic chemical listings):

**None of the ingredients is listed.**

TSCA (Toxic Substances Control Act):

**9003-07-0 Polypropylen  
9002-88-4 Polyethylen  
Mixture UV Stabilizer**

Proposition 65:

Chemicals known to cause cancer:

**None of the ingredients is listed.**

Chemicals known to cause reproductive toxicity for females:

**None of the ingredients is listed.**

Chemicals known to cause reproductive toxicity for males:

**None of the ingredients is listed.**

Chemicals known to cause developmental toxicity:

**None of the ingredients is listed.**

Carcinogenicity categories:

EPA (Environmental Protection Agency):

**None of the ingredients is listed.**

TLV (Threshold Limit Value established by ACGIH):

**None of the ingredients is listed.**

NIOSH-Ca (National Institute for Occupational Safety and Health):

**None of the ingredients is listed.**

OSHA-Ca (Occupational Safety & Health Administration):

**None of the ingredients is listed.**

Canadian substance listings:

Canadian Domestic Substances List (DSL):

**9003-07-0 Polypropylen  
9002-88-4 Polyethylen  
Mixture UV Stabilizer**

Canadian Ingredient Disclosure list (limit 0.1%):

**None of the ingredients is listed.**

Canadian Ingredient Disclosure list (limit 1%):

**None of the ingredients is listed.**

GHS label elements:

**Void**

Hazard pictograms:

**Void**

Signal word:

**Void**

Hazard statements:

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Chemical safety assessment:

**A Chemical Safety Assessment has not been carried out.**

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## 16. OTHER INFORMATION

**This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.**

**Department issuing MSDS:** product safety departement

**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· \* Data compared to the previous version altered.