



## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 and 453/2010 (REACH)

Print date: 18-Apr-2015

Revision Number: 1

Revision date: 18-Apr-2015

### 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Trademark:	LUBRICOMP™
Product Code:	KZL16-GYMDNAT-0-THD
Product Description:	Polyoxymethylene [CASRN 24969-26-4], glass fiber filled
Product Type:	Commercial Product
Recommended use:	May be used to produce molded or extruded articles or as a component of other industrial products.
Company:	SABIC Innovative Plastics B.V. Plasticslaan 1 P.O. Box 117 4600 AC Bergen op Zoom The Netherlands
Manufacturer:	SABIC Innovative Plastics US LLC 251 South Bailey Road Thorndale, Pennsylvania 19372 United States
Emergency Telephone Number:	Bergen op Zoom +31(0)164-292911 (24/24)
Emergency Transportation/CHEMTREC (24 HOUR):	800 424-9300 (USA) +1 703-527-3887 (globally, outside USA)
E-mail:	webinquiries@sabic-ip.com
Website Address:	<a href="http://www.sabic-ip.com">www.sabic-ip.com</a>

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

- Pellets with slight or no odor
- Spilled material may create slipping hazard
- Can burn in a fire creating dense, toxic smoke
- Molten plastic can cause severe thermal burns
- Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever. See below for additional effects.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

<b>Skin Contact:</b>	Not a hazard with pellets during normal industrial use. Contact causes skin irritation.
<b>Eye Contact:</b>	Resin particles, like other inert materials, are mechanically irritating to eyes.
<b>Inhalation:</b>	Pellet inhalation unlikely due to physical form. Irritating to respiratory system; avoid inhalation of dusts.
<b>Ingestion:</b>	Pellet ingestion unlikely due to physical form.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Not a hazardous substance or preparation according to EC-directives 1999/45/EC and 1272/2008/EC unless indicated.

## 4. FIRST AID MEASURES

<b>If Inhalation:</b>	Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.
<b>On skin contact:</b>	Immediately cool the skin by rinsing with cold water after contact with hot material. Wash off immediately with soap and plenty of water. Consult a physician.
<b>On contact with eyes:</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.
<b>On ingestion:</b>	Not probable due to nature of the product. If a large amount of pellet material is swallowed, consult a physician for medical treatment.
<b>Precautions:</b>	Processing vapors inhalation may be irritating to the respiratory tract. If symptoms are experienced remove victim from the source of contamination or move victim to fresh air and obtain medical advice.

## 5. FIRE-FIGHTING MEASURES

<b>Autoignition Temperature:</b>	320-340°C
<b>Explosive Limits</b>	
<b>upper:</b>	Not determined
<b>lower:</b>	Not determined
<b>Suitable Extinguishing Media:</b>	Use dry chemical, CO <sub>2</sub> , water spray or "alcohol" foam. Water is the best extinguishing medium. Carbon dioxide and dry chemical are not generally recommended because their lack of cooling capacity may permit re-ignition on larger resin fires (blobs, drools, etc.).
<b>Unsuitable Extinguishing Media for Safety Reasons:</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Hazardous Decomposition Products:</b>	Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbons fragments, hydrogen fluoride, carbonyl fluoride, fluorocarbons.
<b>Hazards from Combustion Products:</b>	Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbon fragments, formaldehyde, paraformaldehyde.
<b>Specific Hazards:</b>	Take precautionary measures against static discharges. During processing, dust may form explosive mixture in air. Thermal decomposition can lead to release of irritating gases and vapors.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Clean up:</b>	Sweep up and shovel into suitable containers for disposal. Do not create a powder cloud by using a brush or compressed air.
<b>Personal Precautions:</b>	See section 8.
<b>Environmental Precautions:</b>	Do not flush into surface water or sanitary sewer system. Material should not be released into the environment.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practices. Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid dust formation. All metal parts of the mixing and processing equipment must be earthed.
<b>Storage:</b>	Store in closed container in a dry and cool area. Keep away from heat sources and sources of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits:**

No components with information, unless noted below

*\*SABIC Recommended Exposure Limits have been established for certain chemicals.*

**Engineering Measures to Exposure:**

Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation at machinery. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, and other surfaces using appropriate personal protection. In the case of hazardous fumes, wear self-contained breathing apparatus. Wear face-shield and protective suit for abnormal processing problems. Handle in accordance with good industrial hygiene and safety practice for diagnostics. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

**Hand Protection:**

Protective gloves should be worn.

**Eye Protection:**

Safety glasses with side-shields or chemical goggles. In addition, use full-face shield when cleaning processing vapor condensates from hood, ducts, and other surfaces.

**Respiratory Protection:**

When using this product at elevated temperatures, implement engineering systems, administrative controls or a respiratory protection program (including a respirator approved for protection from organic vapors, acid, gases, and particulate matter) if processing vapors are not adequately controlled or operators experience symptoms of overexposure. If dust or powder are produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

**Body Protection:**

Long sleeved clothing

**Hygiene Measures:**

When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Pellets
Color:	Same as color code
Odor:	None or slight
Melting point/range:	This product does not exhibit a sharp melting point but softens gradually over a wide range of temperatures.
Autoignition Temperature:	320-340°C
Vapor Pressure:	Negligible
Water Solubility:	Insoluble
Evaporation Rate:	Negligible
Specific gravity:	>1; (water = 1)
VOC content (%):	Negligible
Explosive Limits	
upper:	Not determined
lower:	Not determined

## 10. STABILITY AND REACTIVITY

Stability:	Stable under ambient conditions. Hazardous polymerization does not occur.
Conditions to Avoid:	Avoid temperatures above 630°C. To avoid thermal decomposition, avoid elevated temperatures. Heating can result in the formation of gaseous decomposition products, some of which may be hazardous. Do not exceed melt temperature recommendations in product literature. Purgings of hot material should be collected in small, flat, thin shapes and quenched with water to allow for rapid cooling. Do not allow product to remain in barrel at elevated temperatures for extended periods of time.
Hazardous Decomposition Products:	Process vapors under recommended processing conditions may include trace levels of hydrocarbons, carbon oxides, formaldehyde, paraformaldehyde, acetaldehyde, trioxane, ethylene oxide, hydrogen fluoride, carbonyl fluoride, perfluorohydrocarbon fragments, fluorocarbons, Traces of, phenols, alkylphenols, diarylcarbonates.

## 11. TOXICOLOGICAL INFORMATION

LD50/oral/rat:	>5000 mg/kg
LD50/dermal/rabbit:	>2000 mg/kg
Subchronic Toxicity:	No information available
Primary Irritation:	Substance does not generally irritate and is only mildly irritating to the skin. Skin irritation.
IARC:	Not listed
OSHA:	Not regulated
NTP:	Not tested
Remarks:	The toxicological data has been taken from products of similar composition.
Special Studies:	Thermal degradation of the fluoropolymer additives in this product may result in the release of pyrolysis products and fumes. Short term inhalation exposure may cause influenza-like symptoms such as chest pain/tightness, shortness of breath, sore throat, fever and chills, malaise and sometimes headache (also known as "polymer fume fever"). Following removal from exposure, complete resolution is expected within 12-48 hours. Prolonged and repeated exposure to high levels may lead to effects such as pulmonary edema and lung disease.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity Effects:	Do not flush into surface water or sanitary sewer system.
Ecotoxicity - Invertebrate Data:	Ecological damages are not known or expected under normal use.

## 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	Where possible recycling is preferred to disposal or incineration. Dispose of in accordance with local regulations.
EWC waste disposal no:	702 - waste from the manufacture, formulation, supply and use of plastics, synthetic rubber and man-made fibres.

## 14. TRANSPORT INFORMATION

### Transport Classification:

Not regulated as hazardous for shipment, unless noted below, under current transportation guidelines.

### DOT

### ADR/RID/ADN

### IMDG

### ICAO

### IATA-DGR

## 15. REGULATORY INFORMATION

This substance is classified and labelled according to Annex I of Directive 67/548/EEC, as amended.

### International Inventories:

TSCA (USA):	Listed
DSL (Canada):	Listed
EINECS/ELINCS (Europe):	Listed
ENCS (Japan):	Listed
IECSC (China):	Listed
KECL (Korea):	Listed
PICCS (Philippines):	Listed
AICS (Australia):	Listed
NZIoC (New Zealand):	Listed
REACH Information:	For this product's REACH related information, please contact <a href="mailto:webinquiries@sabic-ip.com">webinquiries@sabic-ip.com</a>

### Other Inventory Information:

A "Listed" entry above means all chemical components are on the respective inventory list and/or a qualifying exemption exists for one or more components. A "Not listed" entry above indicates one or more components is restricted from import or manufacture into that country/region. Articles are exempt from registration and are therefore not listed on the national chemical inventories.

### SVHC (REACH Regulation (EC) No 1907/2006 and 453/2010, as amended):

This product does not intentionally contain SVHC chemicals except as noted below. Incidental amounts of impurities, if present, would be below the threshold limit of 0.1% by weight.

### California Proposition 65:

Components in this product known to the State of California to cause cancer and/or reproductive effects, are listed below:

Chemical Name	Weight %	California Proposition 65:
Fiberglass, EU/GHS classified 65997-17-3	30-70	Listed: July 1, 1990 Carcinogenic. (airborne, unbound particles of respirable size)

### RoHS EU Directive 2011/65/EU:

The subject product is in compliance with EU RoHS Directive 2011/65/EU. All below chemicals are not employed in the manufacture of the product: a.Cadmium and its compounds, b.Lead and its compounds, c.Mercury and its compounds, d.Hexavalent chromium compounds, e.Polybrominated biphenyls (PBBs), f.Polybrominated diphenyl ethers (PBDEs including Deca-BDE). The trace levels of heavy metals may be present as impurities within threshold limits (<0.1% for Pb, Hg, Cr VI, and <0.01% for Cd). We are disclosing this information, to the best of our knowledge, based upon data from our raw material manufacturers.

## 16. OTHER INFORMATION

**SABIC and brands marked with <sup>TM</sup> are trademarks of SABIC or its subsidiaries or affiliates.**

Visit our public website to search, view and print Safety Data Sheets for commercial products:

<http://eur.sabic-ip.com/ordeur/pages/msds/MSDSSearch.jsp?app=sabic-ip>

**SDS Scope:**

Europe: Conforms to Regulation (EC) No 1907/2006 and 453/2010 (REACH)

This document is also applicable in other countries and regions.

**Prepared by:** Product Stewardship & Toxicology

DISCLAIMER: This Safety Data Sheet [SDS] information is provided based on the Hazard Communication Regulations for your region or country and for the use of the persons required to receive this information under those regulations. The information is neither designed nor recommended for any other use or for use by any other person, including for compliance with other laws. SABIC Innovative Plastics does not warrant the suitability for use of this SDS for any other material or product not specifically identified herein. SABIC Innovative Plastics does not warrant the accuracy or authenticity of this SDS unless it has been obtained directly from SABIC Innovative Plastics, or posted or viewed on a SABIC Innovative Plastics website. Modification of this SDS, unless specifically authorized by SABIC Innovative Plastics, is strictly prohibited. This SDS is based on information that is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Since the use of this material is not under SABIC Innovative Plastics' control, each user is responsible for making its own determination as to the safe and proper handling of this material in its own particular use of this material. SABIC INNOVATIVE PLASTICS MAKES NO REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each user should read and understand this information and incorporate it into individual site safety programs as required by applicable hazard communication standards and regulations.

**End of Safety Data Sheet**