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SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Trademark:	SABITAL™
Product Name:	90GV30
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:	Saudi Basic Industries Corporation P.O. Box 5101 Riyadh 11422 Saudi Arabia
Manufacturer:	SABIC P.O. Box 5101 Riyadh 11422 Saudi Arabia
Emergency Telephone Number:	KSA +966 (01) 225-8000
E-mail:	sds.info@sabic.com
Website Address:	**www.sabic.com**

2. HAZARDS IDENTIFICATION

The additives in this product (if any) are bound in a thermoplastic resin matrix. In accordance with GHS for the classification of the product, the hazard potential may be assessed with respect to the physico-chemical form and/or bioavailability of the individual components in the thermoplastic resin.

Where GHS classifications are shown below, these are based on the individual components in the thermoplastic resin matrix. Under the typical use conditions for the resin, these hazardous components are unlikely to contribute to workplace exposure. Please read the entire safety data sheet and/or consult an EHS professional for a complete understanding.

Classification

OSHA Regulatory Status
This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS-Labeling

Emergency Overview

Not classified

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: Pellets **Physical State:** Solid **Odor:** Characteristic

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
Not applicable

Other hazards which do not result in classification:

SABIC 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.

Other Information: Cool skin rapidly with cold water after contact with molten material. Heating can release hazardous gases. Hazardous fumes can also occur in post-processing operations. This product contains trace levels of formaldehyde. Additionally, thermal decomposition can lead to the generation of formaldehyde. Formaldehyde is listed as a potential cancer hazard by OSHA, a known human carcinogen by The International Agency for Research on Cancer (IARC, Group 1), and a substance which can reasonably be anticipated to be a carcinogen by The National Toxicology Program (NTP).

Processing Issues: Processing vapors may cause irritation to the eyes, skin, and respiratory tract. In cases of severe exposure, nausea and headache can also occur. Grease-like processing vapor condensates on ventilation ductwork, molds, and other surfaces can cause irritation and injury to skin.

Aggravated Medical Conditions: MEDICAL RESTRICTIONS: There are no known health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing vapors.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Type Mixture

HAZARDOUS COMPONENTS:

Chemical Name	CAS Number	Weight %	Classification (67/548/EEC):	GHS Classification (EC) No. 1272/2008 [CLP]:
Fiberglass, Non-Respirable, GHS not classified	65997-17-3	10-30	Not classified	Not classified
Formaldehyde	50-00-0	0.01-0.10	C;R34 Carc. Cat.3;R40 R23 R43 T;R23/24/25	Skin Corr. 1B (H314) Skin Sens. 1 (H317) Carc. 1B (H350) Mut. Cat. 2 (H341) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331)

The non-hazardous components and exact percentage (concentration) of the composition have been withheld as a trade secret.

This product consists primarily of high molecular weight polymers which are not expected to be hazardous. The ingredients in this product are present within the polymer matrix and are not expected to be hazardous.

4. FIRST AID MEASURES

If Inhalation: Move to fresh air in case of accidental inhalation of vapours or decomposition products. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

On skin contact: 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.

On contact with eyes: 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.

On ingestion: No hazards which require special first aid measures.

Precautions: Cool molten product on skin with plenty of water. Do not remove solidified product. Do not peel polymer from the skin.

5. FIRE-FIGHTING MEASURES

Autoignition Temperature:	320°C
Explosive Limits	
upper:	Not determined
lower:	Not determined
Suitable Extinguishing Media:	Use dry chemical, CO2, 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.).
Unsuitable Extinguishing Media for Safety Reasons:	Do not use a solid water stream as it may scatter and spread fire.
Hazards from Combustion Products:	Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, formaldehyde.
Special Protective Equipment for Firefighters:	In the event of fire, wear self-contained breathing apparatus (EU: NEN-EN137).
Specific Hazards:	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

Clean up:	Sweep up and shovel into suitable containers for disposal. Do not create a powder cloud by using a brush or compressed air.
Personal Precautions:	See section 8. If spilled, take caution, as material can cause surfaces to become very slippery.
Environmental Precautions:	Do not flush into surface water or sanitary sewer system. Material should not be released into the environment.

7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practices. Provide for appropriate exhaust ventilation and dust collection at machinery. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Open containers only in well-ventilated area.
Storage:	Store in a dry and cool area. Keep away from heat sources and sources of ignition. Keep away from direct sunlight. Residual monomer vapors can accumulate in the headspace of closed containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits: No components with information, unless noted below

Chemical Name	US OSHA PEL (8 Hr)	ACGIH	Canada - Alberta (8 Hr)	Mexico OEL Data	SABIC Recommend (8 Hr)*
Fiberglass, Non-Respirable, GHS not classified 65997-17-3	No Information	Inhalable fraction - TWA: 5 mg/m³ ; Notations: Not Classifiable as a Human Carcinogen ; Crit Eff: Upper respiratory tract irritation ~cr~Respirable fibers - TWA: 1 f/cc ; Notations: Not Classifiable as a Human Carcinogen Respirable fibers - Crit Eff: Upp	OEL_8 hr: 1 f/cc OEL_Ceiling: 1 f/cc	LMPE-PPT: 10 mg/m³ polvo	No Information
Formaldehyde 50-00-0	FRL: see 1910.1048 , See Table Z-2 for operations or sectors excluded or for which limit(s) is(are) stayed ; TL_PEL: see 1910.1048 , See Table Z-2 for operations or sectors excluded or for which limit(s) is(are) stayed	Ceiling: 0.3 ppm ; Notations: Suspected Human Carcinogen , Sensitization ; Crit Eff: Eye irritation , Upper respiratory tract irritation	Carcinogenicity: A2 ; OEL_8 hr: 0.9 mg/m³ , 0.75 ppm ; OEL_Ceiling: 1.3 mg/m³ , 1 ppm	LMPE-Pico: 2 ppm , 3 mg/m³ ; CONN: A2	No Information

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

Engineering Measures to Reduce Exposure: 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 practices. Provide for appropriate exhaust ventilation at machinery. 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, (EU: NEN-EN 374), When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of molton resin

Eye Protection: Safety glasses with side-shields. (EU: NEN-EN 165-166).

Respiratory Protection: In the case of hazardous fumes, wear self contained breathing apparatus. In case of insufficient ventilation wear suitable respiratory equipment. (EU: NEN-EN149).

Body Protection: Long sleeved clothing (EU: NEN-EN 340-369-465)

Hygiene Measures: When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Pellets
Odor:	Characteristic
Melting point/range:	160 - 180 °C
Boiling point/range:	decomposition starting from 240°C
Autoignition Temperature:	320°C
Flash Point:	Not applicable
Vapor Pressure:	Negligible
Density:	1.45 - 1.65 g/cm³
Water Solubility:	Insoluble
Evaporation Rate:	Negligible
Explosive Limits	
upper:	Not determined
lower:	Not determined
Bulk density:	770-890 kg/m³
VOC content (%):	Negligible

10. STABILITY AND REACTIVITY

Stability:	Stable under ambient conditions. Hazardous polymerization does not occur.
Conditions to Avoid:	Avoid temperatures above 240°C. 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.
Materials to avoid:	polyvinyl chloride (PVC), strong acids and oxidizing agents.
Hazardous Decomposition Products:	Process vapors under recommended processing conditions may include trace levels of hydrocarbons, carbon oxides, formaldehyde, paraformaldehyde, trioxane, formic acid.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50/oral/rat:	No information available
LD50/dermal/rabbit:	No information available
Inhalation:	Pellet inhalation unlikely due to physical form. Irritating to respiratory system; avoid inhalation of dusts.
Eye Contact:	Resin particles, like other inert materials, are mechanically irritating to eyes.
Skin Contact:	Not a hazard with pellets during normal industrial use. Contact causes skin irritation.
Ingestion:	Pellet ingestion unlikely due to physical form.
Chronic Toxicity:	No information available.
Subchronic Toxicity:	No information available
Primary Irritation:	Substance does not generally irritate and is only mildly irritating to the skin. Skin irritation.
IARC:	Formaldehyde: Group 1 (carcinogenic to humans)
OSHA:	OSHA considers formaldehyde to be a potential occupational carcinogen
NTP:	Formaldehyde is "reasonably anticipated to be a human carcinogen"
Special Studies:	Formaldehyde is acutely toxic by ingestion, dermal contact and inhalation. Formaldehyde can cause eye, skin and upper respiratory tract irritation. Formaldehyde has potential to cause allergic contact dermatitis. Based on toxicological studies in animals, formaldehyde has a potential for causing carcinogenicity and mutagenicity at site of contact. Formaldehyde is not likely to be a potent carcinogen to humans under low exposure conditions.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects:	Small particles can have an effect on water and soil organisms.
Other information:	none.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	Recycling is encouraged. Landfill or incinerate in accordance with federal, state and local requirements. Collected processing fume condensates and incinerator ash should be tested to determine waste classification.

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

MEXICO

CANADA/TDG

15. REGULATORY INFORMATION

Further regulatory information can be requested via your local sales office.

International Inventories:

TSCA (USA):	Listed
DSL (Canada):	Not listed - One or more components listed on NDSL
EINECS/ELINCS (Europe):	Listed
ENCS (Japan):	Not listed
IECSC (China):	Not listed - Polymer simplified notification approved under Sabic Innovative Plastics
KECL (Korea):	Listed
PICCS (Philippines):	Not listed
AICS (Australia):	Listed
NZIoC (New Zealand):	Not listed
REACH Information:	For this product's REACH related information, please contact sds.info@sabic.com

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.

HMIS Rating
Health: 0
Flammability: 1
Reactivity: 0

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H351 - Suspected of causing cancer in contact with skin
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H331 - Toxic if inhaled

SDS Scope:
USA: Conforms to 29 CFR 1910.1200 (2012 OSHA Hazard Communication Standard)
This document is also applicable in other countries and regions.

Prepared by: Product Stewardship & Toxicology

DISCLAIMER: The information contained in the Safety Data Sheet is at the date of its issuance to the best of our knowledge correct according to the data available to us. The information is meant as a guideline for safe use, handling, disposal, storage and transport of products and does not imply any warranty (not implied nor explicitly) or specification. The Supplier shall to the extent permitted by law not be liable for any error or incorrectness in the information contained in this Safety Data Sheet. The information relates exclusively to the specified products, which may not be suitable for combination with other materials or use in processes other than those specifically described here.

End of Safety Data Sheet