FULLERENE CARBON C60

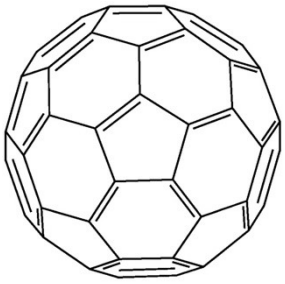
SAFETY DATA SHEET [**SDS**]

SECTION 1

Identification of the substance/mixture and of the company

Product	Fullerene Carbon C60
Product #	SOL5060
Brand	Solaris
CAS#	99685-96-8
Revision Date	2020.07.13
Company	Solaris Chem Inc.
Address	3650 Cite-des-Jeunes, suite 101, Vaudreuil-Dorion, Qc, Canada, J7V 8P2
Phone Number	(514) 730-8653

Structure



SECTION 2

Hazards identification

WHMIS
Rating

D2B Toxic Material Causing Other Toxic Effects: Moderate respiratory irritant, Moderate eye irritant

HMIS
Rating

Health: 2
Flammability: 1
Reactivity: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Skin May be harmful if absorbed through skin. May causes skin irritation. Eyes Causes eye irritation. Ingestion May be harmful if swallowed.

Label elements

Pictogram

Signal word: Warning

Hazard statements:
H319: Causes serious eyes irritation
H335: May cause respiratory irritation.

Precautionary statements:
P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Notes

See section 11

SECTION 3

Composition/information on ingredients

Substance	Fullerene Carbon C60
CAS#	99685-96-8
SARA 313	No
Chemical Formula	C_{60}
Molecular weight	720.64 g/mol

SECTION 4

First aid measures

Oral Exposures	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation	If inhaled, move to fresh air. If breathing becomes difficult, call a physician.
Skin exposure	In case of contact, immediately wash skin with soap and copious amounts of water.
Eye exposure	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION 5

Firefighting measures

Flash Point	> 94 °C (> 201 °F)
Auto-ignition	N/A
Flammability	Not flammable or combustible
Extinguishing Media	Water or Carbon dioxide or dry chemical powder or appropriate foam.
Firefighting	Protective Equipment: Wear self-contained breathing apparatus if necessary Specific Hazard(s): Emits toxic fumes under fire conditions.

SECTION 6

Accidental release measures

Personal Precaution	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
Cleaning up	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Venti- late area and wash spill site after material pickup is complete.
Environment	Do not let the product escape into the environment

SECTION 7

Handling and storage

Handling	Avoid dust inhalation
Storage	Keep tightly closed in a cool, well ventilated, dry place.
Special Requirements	No

SECTION 8

Exposures controls/personal protection

Safety Equipment	Contains no substances with occupational exposure limit values.
Personal Protective Equipement	Respiratory: Use respirators and components tested and approved under appropriate government standards (NIOSH (US) or CEN(EU)). Respiratory protection not required. The use of type N95 (US) or type P1 (EN 143) dust masks is recommended. Hand: Use protective gloves. Eye: Appropriate safety
General Hygiene Measures	Wash thoroughly after handling with soap and water.

SECTION 9

Physical and chemical properties

Color	Brown to dark grey
Appearance	Powder
pH	N/A
Boiling Point	N/A
Melting Point	> 280 °C (> 536 °F) - lit.
Freezing Point	N/A
Vapor Pressure	N/A
Bulk Density	N/A
Water Content	N/A
Solvent Content	N/A
Decomposition Temperature	N/A
Flash Point	> 94 °C (> 201 °F)
Flammability	N/A
Auto-ignition Temperature	N/A
Solubility	Toluene, oils, o-DCB
UV absorption	N/A
Emission (fluorescence)	N/A

SECTION 10

Stability and reactivity

Stability	Stable, avoid strong oxydizing agents
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide.
Hazardous Polymerization	Will not occur

SECTION 11

Toxicological information

Route of Exposure	Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if
Signs and Symptoms of Exposure	Skin coloration.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a potential carcinogen by ACGIH.

SECTION 12

Ecological Information

Ecological Information	Dispose the material accordingly (see section 13). No information available on the ecological effects.

SECTION 13

Disposal considerations

Method of Disposal	Observe all federal, state, and local environmental regulations.

SECTION 14

Transport information

DOT	Not dangerous good
IATA	Not dangerous good
IMDG	Not dangerous good

SECTION 15

Regulatory information

United States

SARA listed: No

Canada

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

D2B, Toxic Material Causing Other Toxic Effects: Moderate respiratory irritant
Moderate eye irritant

SECTION 16

Other information

Disclaimer

Even though the information provided above is believed to be correct and complete, it still maybe not all-inclusive and shall be used only as a guide.

The information provided reflects the present state of our knowledge on the product and the appropriate safety precautions that should be taken. No guarantee of the properties of the product is implied.

Solaris Chem Inc., shall not be held liable for any injuries or damage resulting from the use of the above product. This material should be used for R&D in an appropriate facility.