

SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

Revision Date 10/02/2019

Print Date 01/07/2022

SDS No.: BE6389

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

Trade name : Softell DKG 250N NATURAL
 CAS Number: : Mixture
 Chemical name : Compounded polyolefin
 Synonyms : Polyolefin, Compounded polymer

Identified uses : Manufacture of plastic articles by injection molding, extrusion or other conversion process.

Prohibited uses : FDA Class III medical devices; European class III medical devices; Health Canada class IV Medical Devices; Applications involving permanent implantation into the body; Life-sustaining medical applications

Company Address

Equistar Chemicals, LP
 LyondellBasell Tower, Suite 300
 1221 McKinney St.
 P.O. Box 2583
 Houston Texas 77252-2583

Company Telephone

Customer Service 888 777-0232
 product.safety@lyb.com

Emergency telephone number

EQUISTAR 800-245-4532

E-mail address : product.safety@lyb.com
 Responsible/issuing person

2. HAZARDS IDENTIFICATION

GHS Classification

Combustible dust

Label elements

Signal word : Warning

Hazard Statements : If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

Other hazards

SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

Revision Date 10/02/2019

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SDS No.: BE6389

No additional information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Components

Chemical name	CAS-No.	Weight %
Proprietary blend of polyolefinic polymers	Mixture	50.0 - 80.0 %

Contains: Additives, stabilizers and fillers

4. FIRST AID MEASURES

- General advice : Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of excessive inhalation of fumes that may be generated during heating of this material, move the person to fresh air. Obtain medical attention.
Keep person warm, if necessary give Cardio-Pulmonary Resuscitation (CPR)
- In case of skin contact : If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polymer. Do not attempt to peel polymer from skin as this will remove the skin.
Obtain immediate emergency medical attention if burn is deep or extensive.
- In case of eye contact : Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.

: In case of eye contact with molten polymer:
Continuously flush eye(s) with cool running water for at least 15 minutes.
Beyond flushing, DO NOT attempt to remove the material adherent to the eye(s).
Immediately seek medical attention.
- If swallowed : Adverse health effects due to ingestion are not anticipated.

SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Equip responders with proper protection.
 Creates dangerous slipping hazard on any hard smooth surface.
 Equip emergency responders with proper personal protective equipment (PPE)
 Avoid generating dust.
 Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
 Potential combustible dust hazard.
 Polymer particles create slipping hazard on hard smooth surfaces.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for containment /
 Methods for cleaning up : On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk.
 On water, material is insoluble; collect and contain as any solid.
 All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.
- Additional advice : No conditions to be specially mentioned.

7. Handling and storage

Precautions for safe handling

- Advice on safe handling : Material is in a pellet form.
 If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.
 Avoid dust accumulation in enclosed space.
 Use dust collection systems designed per NFPA 654 to avoid dust accumulation.
 Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard.
 Static discharge (spark), or other ignition sources, in high dust environments may ignite the dust and result in a dust

SAFETY DATA SHEET



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Gen. Variant: SDS_US_GHS

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explosion
 Electrostatic charge may build during conveying or handling. Equipment handling polymer should be conductive and grounded (earthed) and bonded. Metal containers involved in the transfer of this material should be grounded and bonded. All electrical equipment should conform to applicable electric codes and regulatory requirements for areas handling combustible dusts. After handling, always wash hands thoroughly with soap and water. When bringing the material to processing temperatures vapors may develop may condense in the exhaust ventilation. See section 10. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

Fire-fighting class : Polymer will burn but does not easily ignite.
 : Polymer will burn but does not easily ignite.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in a dry location. Use good housekeeping practices during storage, transferring and handling. Process enclosures and adequate ventilation should be used to avoid excessive dust accumulation. Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination. Take measures to prevent the build up of electrostatic charge.

Specific end use(s) : See Section 1.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Ingredients with workplace control parameters

Occupational Exposure Limits

Components	CAS-No.	Type	Limit Value	Basis Revision Date	Additional Information
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SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

Revision Date 10/02/2019

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SDS No.: BE6389

Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	10 mg/m3 inhalable	US (ACGIH) 2005	
Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	3 mg/m3 respirable	US (ACGIH) 2005	
Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	15 mg/m3 total dust	US (OSHA) 2005	
Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust		TWA	5 mg/m3 respirable	US (OSHA) 2005	

Consult local authorities for acceptable exposure limits.

Exposure controls

Engineering measures

Follow the recommendations in NFPA 654 (as amended and adopted) for equipment used to handle this product.

Engineering controls, i.e. enclosed systems, should be used whenever feasible to maintain exposures below acceptable criteria. When such controls are not feasible, or sufficient to achieve full conformance, other engineering controls such as local exhaust ventilation should be used.

Equipment and vessels handling combustible dust from this material should be designed to either prevent dust explosions (inerting) or safely vent dust explosions per NFPA 654

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Personal protective equipment

Respiratory protection : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
 When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
 Use appropriate respiratory protection where atmosphere exceeds recommended limits.
 Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified

SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

Revision Date 10/02/2019

Print Date 01/07/2022

SDS No.: BE6389

- respirators.
- Hand protection : Wear gloves that provide thermal protection where there is a potential for contact with heated material.
- Eye and face protection : Dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles which may result from handling this product.
- Skin and body protection : Wear suitable protective clothing.
- Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.
Use good personal hygiene practices.
Wash hands before eating, drinking, smoking, or using toilet facilities.
Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Pellets.
- Color : Translucent to white
- Odor : Slight.
- Odor Threshold : No value available.
- Flash point : No Data Available.
- Lower explosion limit : The minimum explosive concentration (MEC) for polymer dust varies according to particle size distribution.
- Upper explosion limit : Not applicable.
- Flammability (solid, gas) : Polymer will burn but does not easily ignite.
- Oxidizing properties : Not considered an oxidizing agent.
- : No Data Available.
- Autoignition temperature : > 300 °C
- : Not determined.
- Decomposition temperature : not determined

SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

Revision Date 10/02/2019

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SDS No.: BE6389

Melting point/range	:	50 - 170 °C
Boiling point/boiling range	:	Not applicable.
Vapor pressure	:	Not applicable.
Relative density	:	> 1 (Water = 1)
Density	:	> 1 g/cm ³
Water solubility	:	Insoluble.
Partition coefficient: n-octanol/water	:	No Data Available.
Viscosity, dynamic	:	Not applicable.
Relative vapor density	:	Not applicable.
Evaporation rate	:	Not applicable.
Explosive properties	:	No Data Available.
	:	No Data Available.
Other Information	:	No additional information available.

10. STABILITY AND REACTIVITY

Reactivity	:	No known reactivity hazards.
Chemical stability	:	Stable under normal conditions.
Hazardous reactions	:	Will not occur.
Conditions to avoid	:	Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
Materials to avoid	:	Material may be softened by some hydrocarbons.
Hazardous decomposition products	:	Not expected to decompose under normal conditions.
Thermal decomposition	:	Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.

11. TOXICOLOGICAL INFORMATION

SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

Revision Date 10/02/2019

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SDS No.: BE6389

Product Summary	: See component summary.
Acute toxicity	
Acute oral toxicity	: Not classified
Acute inhalation toxicity	: Not classified
Acute dermal toxicity	: Not classified
Skin corrosion/irritation	: Not a skin irritant.
Serious eye damage/eye irritation	: Not an eye irritant. Mechanical irritation is possible.
Respiratory or skin sensitization	: Not classified
Chronic toxicity	
Carcinogenicity	: Not classified Not classified Not listed by IARC, NTP, OSHA or EPA.
Germ cell mutagenicity	: Not classified
Reproductive toxicity	
Effects on fertility / Effects on or via lactation	: Not classified
Effects on Development	: Not classified
Target Organ Systemic Toxicant - Single exposure	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Target Organ Systemic Toxicant - Repeated exposure	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration hazard	: Not applicable.

SAFETY DATA SHEET



Softell DKG 250N NATURAL

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12. Ecological information

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified
Long-term (chronic) aquatic hazard : Not classified

Persistence and degradability

Biodegradability : Not expected to be biodegradable.

Bioaccumulative potential

Bioaccumulation : This material is not expected to bioaccumulate.

Mobility in soil

Mobility : no data available

Other adverse effects

Environmental fate and pathways : This material is not volatile and insoluble in water.

Other information

Additional ecological information : Ecotoxicity is expected to be minimal based on the low water solubility of polymers.
 No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.
 : No additional information available.

13. Disposal considerations

Waste treatment methods

Product : All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

SAFETY DATA SHEET



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Revision Date 10/02/2019

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Recycle if possible.

: This material is classified as a Non-hazardous Material by RCRA.

14. TRANSPORT INFORMATION

Not regulated for transport

15. REGULATORY INFORMATION

TSCA 12b

No substances are subject to TSCA 12(b) export notification requirements.

Significant New Use Rules (SNUR)

No substances are subject to a Significant New Use Rule.

SARA 302/304

This product contains no known chemicals regulated under SARA 302/304.

SARA 311/312

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

Combustible dust

SARA 313

This product contains no known chemicals regulated under SARA 313.

State Reporting

This material does not contain listed substance(s) known to the State of California to cause cancer, birth defects, or other reproductive harm that would require warning under the California Proposition 65 State Drinking Water and Toxic Enforcement Act.

However, LyondellBasell has not tested for the presence of listed chemical substances.

This product contains no known chemicals regulated by New Jersey's Worker and Community Right to Know Act.

SAFETY DATA SHEET



Softell DKG 250N NATURAL

Gen. Variant: SDS_US_GHS

Version 1.2

Revision Date 10/02/2019

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SDS No.: BE6389

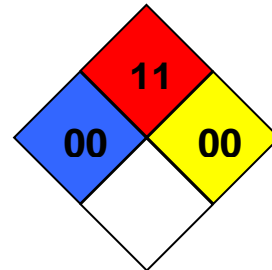
Physical hazards: 0

Health Hazard: 0
Flammability: 1



NFPA Classification

: Health Hazard: 0
Fire Hazard: 1
Instability: 0
Health Hazard: 0
Fire Hazard: 1
Instability: 0



Further information

HMIS rating scale (0 = minimal hazard; 4 = severe hazard)
NFPA rating scale (0 = minimal hazard; 4 = severe hazard)

Disclaimer

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The Trade Name referenced in section 1 is a trademark owned or used by the LyondellBasell family of companies.

Numerical Data Presentation

The presentation of numerical data, such as that used for physical and chemical properties and toxicological values, is expressed using a comma (,) to separate digits into groups of three and a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.

Language Translations

The information presented in this document has been translated from English by a vendor LyondellBasell believes to be reliable. LyondellBasell and its vendor have made a good-faith effort to verify the accuracy of the translation, but assume no liability or other responsibility for any errors that may have occurred. Please refer to our web site (www.lyondellbasell.com) for the original document written in English.

End of Material Safety Data Sheet

SAFETY DATA SHEET



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