QAMAR

SPDC LTD.

Safety Data Sheet

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

1.1 Product identifier

Product name: QAMAR™ HB18N, FC21HS, FC21HN, FC18N, FD21HS, FD21HN, FD18N, CD18N, CD18NX, CD18NXA

Substance name: Polyethylene

CAS Number: 25087-34-7

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

Relevant identified uses: Packaging (Blown Film, Cast Film)

1.3 Details of the supplier of the safety data sheet

Supplier: SPDC LTD.
2-13-10, Nagata-Cho Chiyoda-Ku, Tokyo
100-0014 Japan
Prudential Tower 8th Floor

Phone number: +81-3-5156-8685

Fax number: +81-3-5156-8558

E-mail address: sds.info@spdc.co.jp

1.4 Emergency telephone number

SPDC Technical Department
+81-3-5156-8685
(Contact Available time: From 9:15 to 17:30 GMT +9 hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to EC Regulation 1272/2008 (CLP):	
Hazard classes/Hazard categories	Hazard statement
Not available	Not available

Classification according to Directive 1999/45/EC (DPD):	
Hazards characteristics	R-Phrases
Not available	Not available

2.2 Label elements

Labelling according to EC Regulation 1272/2008 (CLP)

Hazard pictograms: Not available

Signal words: Not available

Hazard statements: Not available

Precautionary statements: Not available

2.3 Other hazards

PBT or vPvB: Not PBT and not vPvB

Other hazards which do not result in classification: Not available

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Substance name	CAS No.	EC No.	% by weight
Copolymer of Ethylene and Butene-1	25087-34-7	-	99～100%
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	2082-79-3	-	0～1%
	Total concentration		100%

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4. FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation:	No adverse effects anticipated by this route of exposure incidental to proper industrial handling. In case of headache, expose to fresh air.
Following skin contact:	Wash off in flowing water. In case of burn of skin, rinse immediately with large amount of water. 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. Obtain emergency medical attention.
Following eye contact:	Rinse immediately with water. Get immediate medical attention.
Following ingestion:	No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

4.2 Most important symptoms and effects, both acute and delayed

No information

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	CO_2, foam, alcohol foam, dry chemical and water fog.
Unsuitable extinguishing media:	Do not use water jets (stick jets) for extinguishing fire since they could help to spread the flames.

5.2 Special hazards arising from the substance or mixture

Product is combustible. Dense smoke emitted when burned without sufficient oxygen. Accumulation of fine dust particles could pose an explosion hazard.

5.3 Advice for firefighters

Precautions for fire-fighting:
Polyolefin dust particles in the atmosphere are combustible and may be explosive.
Avoid sparks, heat, and open flame. Dust may form explosive mixtures with air.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective measures listed in sections 7 and 8 when cleaning accidental releases.
Spilled material may cause a slipping hazard.

6.2 Environmental precautions

Take measures to prevent from entering into soil,waterways and/or groundwater.

6.3 Methods and material for containment and cleaning up

Wipe the affected area and collect spilled material. Collect in suitable containers.
All recovered material should be packaged. Dispose safely in accordance with local or national regulations.

6.4 Reference to other sections

Information for safe handling see chapter 7.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special precautions are necessary beyond normal good hygiene practices. See section 8 for additional personal protection advice when handling this product.
Like a number of other airborne dusts, polyolefin dust above certain concentrations may be explosive. Therefore, open flames and other ignition sources, including static electricity, should be avoided in the presence of polyolefin dust particles.

7.2 Conditions for safe storage, including any incompatibilities

Store at ambient temperature. Keep away from direct sun light, heat, sparks, flame, strong oxidants and water.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits:	Not available

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Good general ventilation should be sufficient for storage,but local exhaust ventilation is recommended for processing PE.

8.2.2 Personal protection equipment:

8.2.2.1 Eye and face protection:	Use safety glasses for normal handling. Wear goggles when gases from heated product may cause eye irritation.
8.2.2.2 Skin and body protection:	Use clean body-covering clothing for normal handling. Wear thermal resistant gloves where contact may occur with heated product.
8.2.2.3 Respiratory protection:	Respiratory protection in case of risk of overexposure to dust, vapour, fumes. Protection against such inhalation by the use of an appropriate air-purifying respirator or local exhaust ventilation may be needed.
8.2.2.4 Others:	Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Solid (Pellet)
Color:	Translucent white
Odor:	None
Odour threshold:	Not available
pH:	Not available
Melting point/ Freezing point:	123 deg. C
boiling point:	Not available
Flash point:	Not applicable
Evaporation rate:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	0.92
Solubility in water:	Insoluble
Resolvability in solvents:	Not available
Coefficient of water/oil distribution:	Not available
Flammability (solid, gas):	Not classified. Polymer will not burn but does not easily ignite.
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

9.2 Other information

Not available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No decomposition under normal molding temperature such as about 200deg.C.

10.2 Chemical stability
The product is chemically stable.

10.3 Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4 Conditions to avoid
Temperature over 572 deg. F (300 deg. C) will release combustible gases.

10.5 Incompatible materials
None

10.6 Hazardous decomposition products
Combustible gases when exposed to temperature over 572 deg. F (300 deg. C).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Not available
Skin corrosion/irritation:	Not available
Serious eye damage/irritation:	Not available
Respiratory or skin sensitization:	Not available
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not available
Reproductive toxicity:	Not available
STOT-single exposure:	Not available
STOT-repeated exposure:	Not available
Aspiration hazard:	Not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Fish toxicity:	Not available
Invertebrate toxicity:	Not available
Algae toxicity:	Not available

12.2 Persistence and degradability Not available

12.3 Bioaccumulative potential Not available

12.4 Mobility in soil Not available

12.5 Results of PBT and assessment Not available

12.6 Other adverse effects Not available

12.7 Additional information Not available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Comply with all EU, national and local regulations.
Bury in landfill or burn in an adequate incinerator in accordance with applicable regulations.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable

14.2 UN proper shipping name

ADR/RID:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable

14.3 Transport hazard class(es)

ADR/RID:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable

14.4 Packing group

ADR/RID:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable

14.5 Environmental hazards

ADR/RID:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable

14.6 Special precautions for user Prevent water / foreign materials from penetrating.
Prevent the unit of packagings from collapsing. See Section 7.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

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

15.1.1. EU-Regulations
No additional information available

15.1.2. National regulations
No additional information available

15.2 Chemical safety assessment
No Chemical Safety Assessment has been carried out for this mixture by the supplier.

16. OTHER INFORMATION

Indication of changes
Date Prepared: Jan. 1, 2012
Date Revised: Jun. 1, 2018
It has been fully revised to include new sections and information, in accordance with EC Regulation 453/2010.

Cautionary notice
The description is prepared based on currently available documents and data; however, it does not guarantee completeness and accuracy for the data and evaluation listed here. Described information is subject to general handling. In case of special handling, please handle the substance with a practiced measure of safety, which is appropriate to new usage and application.
We request that the selling agents or the suppliers of this product provide this SDS to their own customers, and that the customers also provide this SDS to users and people engaged in the product's circulation and safekeeping.