Safety Data Sheet

TECHNOMELT PA 641 BG20KG

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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name:
TECHNOMELT PA 641 BG20KG

Other means of identification:
TECHNOMELT PA 641 BG20KG

Product code:
IDH122243

Recommended use of the chemical and restrictions on use

Intended use:
Special hotmelt, based on polyamide

Manufacturer/Importer/Distributor Representative Company

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E-mail address of person responsible for Safety Data Sheet:
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Emergency Telephone for Chemical Accidents:
FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call: +662 209 8008

Section 2. Hazards identification

GHS Classification:

Substance or mixture is not classified as hazardous according to Globally Harmonized System(GHS).

GHS label elements:

Substance or mixture is not classified as hazardous according to Globally Harmonized System(GHS).

Section 3. Composition / information on ingredients

Substance or Mixture:
Mixture

Declaration of hazardous chemical:

Hazard component CAS-No.	Content	GHS Classification
Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	1- 10 %	Chronic hazards to the aquatic environment 4 H413

Section 4. First aid measures

Inhalation:
Move to fresh air, consult doctor if complaint persists.

Skin contact:
Molten product. After skin contact cool down immediately with cold water. Do not remove adherent product. Seek medical advice.

Eye contact:
After contact with the hot melt: cool with water, seek medical attention.

Ingestion:
Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Indication of immediate medical attention and special treatment needed:
See section: Description of first aid measures

Section 5. Fire fighting measures

Suitable extinguishing media:
All common extinguishing agents are suitable.

Improper extinguishing media:
High pressure waterjet

Specific hazards arising from the chemical:
In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released.

Special protection equipment and precautions for firefighters:
Wear self-contained breathing apparatus.
Wear protective equipment.

Section 6. Accidental release measures

Personal precautions:
Wear protective equipment.

Environmental precautions:
Do not empty into drains / surface water / ground water.

Clean-up methods:
Allow to solidify.
Remove mechanically.
Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Handling:
Ensure good ventilation/suction at the workplace.
Always be careful around molten material.
See advice in section 8

Storage:
Ensure good ventilation/extraction.
Avoid moisture.
Keep only in original container.
Store in a cool, dry place.
Keep away from heat and direct sunlight.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Respiratory protection:
In case of dust formation, we recommend wearing of appropriate respiratory protection equipment with particle filter P (EN 14387).
This recommendation should be matched to local conditions.

Hand protection:
Wear heat resistance gloves while working with the hot melt (EN 407).

Eye protection:
Protective goggles
Protective eye equipment should conform to EN166.

Body protection:
Wear protective equipment.
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Engineering controls:
Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

General protection and hygiene measures:
The workplace should be equipped with an emergency shower and eye-rinsing facility.

Hygienic measures:
Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.
Take off contaminated clothing and wash before reuse.

Section 9. Physical and chemical properties

Appearance:	Amber solid, Granulate
Odor:	Resinous
Odor threshold (CA):	No data available.
pH:	Not applicable, Product is non-soluble (in water).
Melting point / freezing point:	170 - 180 °C (338 - 356 °F)
Specific gravity:	1
Boiling point:	> 280 °C (> 536 °F)
Flash point:	Not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	The product is not flammable.

Lower explosive limit:	No data available.
Upper explosive limit:	No data available.
Vapor pressure: (; 20 °C (68 °F))	< 0.1 hPa
Vapor density:	Not applicable, Product is a solid
Density:	0.95 - 1.01 g/cm3
Solubility:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	> 300 °C
Viscosity:	3,500 - 5,500 mPa.s (Brookfield; 225 °C (437 °F); Method: ;HI-method EPA1B; Viscosity Brookfield (Thermosel))
VOC content:	No data available.

Section 10. Stability and reactivity

Reactivity/Incompatible materials:
None if used for intended purpose.
Chemical stability:
Stable under recommended storage conditions.
Conditions to avoid:
None if used for intended purpose.
Hazardous decomposition products:
No decomposition if used according to specifications.

Section 11. Toxicological information

General toxicological information:	To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.
Symptoms of Overexposure**:**	No data available.

Acute oral toxicity:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)

Acute dermal toxicity:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Result	not sensitising
	Test type	Patch-Test
	Species	human
	Method	Human volunteer study

Germ cell mutagenicity:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Result	ambiguous with metabolic activation
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water.

Toxicity:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Value type	LC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Value type	EC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Value type	EC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	Result	not readily biodegradable.
	Route of application	aerobic
	Degradability	20 %

	Method	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

Bioaccumulative potential / Mobility in soil:

Bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine 15721-78-5	LogPow	8.8
	Temperature	40 °C
	Method	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

Section 13. Disposal considerations

Product

Method of disposal:
Dispose of in accordance with local and national regulations.

Packaging

Disposal of uncleaned packages:
Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information

Road transport ADR:
Not dangerous goods

Railroad transport RID:
Not dangerous goods

Inland water transport ADN:
Not dangerous goods

Marine transport IMDG:
Not dangerous goods

Air transport IATA:
Not dangerous goods

Section 15. Regulatory information

Regulatory Information:
Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

Global inventory status:

Regulatory list	Notification
TSCA	yes
DSL	yes
ENCS (JP)	yes
AIIC	yes

Section 16. Other information

Disclaimer:
This Safety Data Sheet has been generated based on Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.
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