

## SAFETY DATA SHEET



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1 Product identifier

Product name	Castrol High Temperature Grease
Product code	467200-BE26
SDS #	467200
Original preparation date	10/05/2021
Product type	Grease

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

Use of the substance/ mixture	Grease for industrial applications. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
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## 1.3 Details of the supplier of the safety data sheet

Supplier	Castrol Madeni Yağlar Ticaret A.Ş. İçerenköy Mah. Değirmen Yolu Cad. Mengerler Blok No: 28/1 İç Kapı No: 12 Ataşehir/İstanbul
E-mail address	MSDSadvice@bp.com

## 1.4 Emergency telephone number

EMERGENCY TELEPHONE NUMBER	CASTROL DIRECT 0212 473 77 37 Carechem: +44 (0) 1235 239 670 (24/7) Ministry of Health National Poison Information Centre: 114 (24 hours)
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## SECTION 2: Hazards identification

## 2.1 Classification of the substance or mixture

Classification according to regulation SEA: RG.-10/12/2020-31330

Not classified.

The product is not classified as hazardous according to Regulation SEA: RG.-10/12/2020-31330.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

## 2.2 Label elements

Signal word	No signal word.
Hazard statements	No known significant effects or critical hazards.
<u>Precautionary statements</u>	
Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
Supplemental label elements	Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
<u>Special packaging requirements</u>	

**SECTION 2: Hazards identification**

**Containers to be fitted with child-resistant fastenings** Not applicable.

**Tactile warning of danger** Not applicable.

**2.3 Other hazards**

**Product meets the criteria for PBT or vPvB** This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** Defatting to the skin.  
Note: High Pressure Applications  
Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.  
See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures** Mixture

Highly refined base oil (IP 346 DMSO extract < 3%). Thickening agent. Proprietary performance additives.

Product/ingredient name	Identifiers	%	SEA: RG.-10/12/2020-31330	Type
Distillates (petroleum), solvent-dewaxed heavy paraffinic	CAS: 64742-65-0 EC: 265-169-7 Index: 649-474-00-6	≥25 - ≤50	Not classified.	[2]
Residual oils (petroleum), solvent-refined	CAS: 64742-01-4 EC: 265-101-6 Index: 649-459-00-4	≥25 - ≤50	Not classified.	[2]
Distillates (petroleum), hydrotreated heavy naphthenic	CAS: 64742-52-5 EC: 265-155-0 Index: 649-465-00-7	≤10	Not classified.	[2]
dilithium sebacate	CAS: 19370-86-6	≤3	Acute Tox. 4, H302	[1]
4,4'-methylene bis (dibutylidithiocarbamate)	CAS: 10254-57-6 EC: 233-593-1	≤3	Aquatic Chronic 4, H413	[1]

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Type**

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

**Inhalation** If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if symptoms occur.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Skin contact** Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training.

**4.2 Most important symptoms and effects, both acute and delayed**

See Section 11 for more detailed information on health effects and symptoms.

**4.3 Indication of any immediate medical attention and special treatment needed**

## SECTION 4: First aid measures

### Notes to physician

Treatment should in general be symptomatic and directed to relieving any effects. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis.

Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

In case of fire, use water fog, alcohol resistant foam, dry chemical or carbon dioxide extinguisher or spray.

#### Unsuitable extinguishing media

Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

#### Hazards from the substance or mixture

No specific fire or explosion hazard.

#### Hazardous combustion products

Combustion products may include the following:  
metal oxide/oxides  
carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)  
sulphur oxides (SO, SO<sub>2</sub>, etc.)  
nitrogen oxides (NO, NO<sub>2</sub> etc.)

### 5.3 Advice for firefighters

#### Special precautions for fire-fighters

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

#### Special protective equipment for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

#### For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

#### Small spill

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

#### Large spill

Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. If emergency personnel are unavailable, contain spilt material. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Dispose of via a licensed waste disposal contractor.

## SECTION 6: Accidental release measures

### 6.4 Reference to other sections

See Section 1 for emergency contact information.  
See Section 5 for firefighting measures.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 12 for environmental precautions.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

#### Protective measures

Put on appropriate personal protective equipment (see Section 8).

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

#### Not suitable

Prolonged exposure to elevated temperature

### 7.3 Specific end use(s)

#### Recommendations

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009.
Residual oils (petroleum), solvent refined	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), hydrotreated heavy naphthenic	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009.

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

#### Biological exposure indices

No exposure indices known.

#### Recommended monitoring procedures

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

Not available.

#### PNECs

**SECTION 8: Exposure controls/personal protection**

Not available.

**8.2 Exposure controls****Appropriate engineering controls**

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards. Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

**Individual protection measures****Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

**Eye/face protection**

Safety glasses with side shields.

**Skin protection****Hand protection**

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

**Skin and body**

Use of protective clothing is good industrial practice.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

**9.1 Information on basic physical and chemical properties****Appearance****Physical state**

Grease

**Colour**

Amber.

**Odour**

Characteristic.

**Odour threshold**

Not available.

**pH**

Not applicable.



**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**SECTION 9: Physical and chemical properties**

Flash point	 losed cup: >200°C (>392°F) [Pensky-Martens ASTM D 93]
Evaporation rate	Not available.
Flammability	
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	 0.01 kPa
Relative density	Not applicable.
Solubility(ies)	Not available.

Media	Result
water	Not soluble

Partition coefficient: n-octanol/water Not applicable.

Auto-ignition temperature >300°C (>572°F)

Decomposition temperature Not available.

Viscosity Not available.

Explosive properties Not available.

Oxidising properties Not available.

**Particle characteristics**

Median particle size Not available.


**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

10.1 Reactivity	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
10.2 Chemical stability	The product is stable.
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.
10.4 Conditions to avoid	Avoid all possible sources of ignition (spark or flame).
10.5 Incompatible materials	Reactive or incompatible with the following materials: oxidising materials.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product/ingredient name**

stillates (petroleum), solvent-dewaxed heavy paraffinic

**Result**

**Rat - Oral - LD50**

>5000 mg/kg  
OECD 401

-

**Rat - Dermal - LD50**

>2000 mg/kg  
OECD 402

-

**Rat - Inhalation - LC50 Dusts and mists**

>5.53 mg/l [4 hours]  
OECD 403

4,4'-methylene bis(dibutylidithiocarbamate)

**Rat - Oral - LD50**

>5000 mg/kg

**SECTION 11: Toxicological information**

OECD 401

-

**Rabbit - Dermal - LD50**

&gt;2000 mg/kg

OECD 402

**Acute toxicity estimates**

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Castrol High Temperature Grease (R09215A) - Parent (DIS)	21760.9	N/A	N/A	N/A	N/A
dilithium sebacate	500	N/A	N/A	N/A	N/A

**Skin corrosion/irritation****Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

4,4'-methylene bis(dibutylidithiocarbamate)

**Result****Rabbit - Skin - Non-irritant to skin.****Rabbit - Skin - Not irritant**

OECD 404

**Serious eye damage/eye irritation****Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

4,4'-methylene bis(dibutylidithiocarbamate)

**Result****Rabbit - Eyes - Non-irritating to the eyes.**

OECD 405

**Rabbit - Eyes - Not irritant**

OECD 405

**Respiratory corrosion/irritation**

Not available.

**Respiratory or skin sensitization****Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

4,4'-methylene bis(dibutylidithiocarbamate)

**Result****Guinea pig - skin**

OECD 406

Result: Not sensitising**Mouse - skin**

OECD 429

Result: Not sensitising**Germ cell mutagenicity****Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

-

**Result****In vitro - Bacteria**

OECD [Bacterial Reverse Mutation Test]

Result: Negative**In vitro - Mammal - species unspecified**

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

4,4'-methylene bis(dibutylidithiocarbamate)

**In vitro - Bacteria**

OECD 471

Result: Negative



**SECTION 11: Toxicological information**

- In vitro - Mammalian-Animal  
OECD 473  
Result: Negative

- In vitro - Mammalian-Animal  
OECD 476  
Result: Negative

**Carcinogenicity****Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**Result****Mouse - Dermal - Unspecified**

OECD 451

Result: Negative**Reproductive toxicity****Product/ingredient name**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**Result****Mouse - Dermal - Unspecified**

OECD 451

Result: Negative**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on likely routes of exposure**

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

**Potential acute health effects****Inhalation**

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion**

No known significant effects or critical hazards.

**Skin contact**

Defatting to the skin. May cause skin dryness and irritation.

**Eye contact**

No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics****Inhalation**

No specific data.

**Ingestion**

No specific data.

**Skin contact**

Adverse symptoms may include the following:  
irritation  
dryness  
cracking

**Eye contact**

No specific data.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Inhalation**

Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation.

**Ingestion**

Ingestion of large quantities may cause nausea and diarrhoea.

**Eye contact**

Potential risk of transient stinging or redness if accidental eye contact occurs.

**Potential chronic health effects****General**

No known significant effects or critical hazards.

**Carcinogenicity**

No known significant effects or critical hazards.

**Mutagenicity**

No known significant effects or critical hazards.

**Developmental effects**


No known significant effects or critical hazards.

**Fertility effects**

No known significant effects or critical hazards.



**SECTION 12: Ecological information****12.1 Toxicity****Product/ingredient name****Result**

 Distillates (petroleum), solvent-dewaxed heavy paraffinic

**Acute - EL50**  
OECD 201  
Algae  
>100 mg/l [72 hours]

- **Acute - EL50**  
OECD 202  
Daphnia  
>10000 mg/l [48 hours]

- **Acute - LL50**  
OECD 203  
Fish  
>100 mg/l [96 hours]

- **Chronic - NOEL**  
OECD 201  
Algae  
≥100 mg/l [72 hours]

- **Chronic - NOEL**  
OECD 211  
Daphnia  
10 mg/l [21 days]

4,4'-methylene bis(dibutylthiocarbamate) **Acute - ErC50**  
OECD 201  
Algae  
>0.0325 mg/l [72 hours]

- **Acute - EC50**  
OECD 202  
Daphnia  
>0.052 mg/l [48 hours]

- **Acute - EL50**  
OECD 203  
Fish  
>0.06 mg/l [96 hours]

- **Chronic - NOEC**  
OECD 211  
Daphnia  
0.247 mg/l [21 days]

- **Chronic - NOEC**  
OECD 201  
Algae  
0.0325 mg/l [72 hours]


**Environmental hazards**

Not classified as dangerous

**12.2 Persistence and degradability**

Expected to be biodegradable.

**Product/ingredient name****Result**

 Distillates (petroleum), solvent-dewaxed heavy paraffinic

OECD 301F  
31% [28 days] - Not readily

4,4'-methylene bis(dibutylthiocarbamate)

OECD 301B  
21% [28 days] - Not readily

**12.3 Bioaccumulative potential**

This product is not expected to bioaccumulate through food chains in the environment.

**SECTION 12: Ecological information**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
4,4'-methylene bis (dibutyldithiocarbamate)	8.42	10.86	Low

**12.4 Mobility in soil**Soil/water partition  
coefficient

Not available.

Mobility

Spillages are unlikely to penetrate the soil.

**12.5 Results of PBT and vPvB assessment**

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Residual oils (petroleum), solvent refined	No	N/A	N/A	No	N/A	N/A	N/A
Distillates (petroleum), hydrotreated heavy naphthenic	No	N/A	N/A	No	N/A	N/A	N/A
dilithium sebacate	No	N/A	N/A	No	N/A	N/A	N/A
4,4'-methylene bis (dibutyldithiocarbamate)	No	N/A	No	No	No	N/A	No

**12.6 Other adverse effects**

Other ecological information This product is unlikely to disperse in water.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product****Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste**

Yes.

**Waste list**

Waste code	Waste code definition
12 01 12*	spent waxes and fats

**Packaging****Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Waste code****Special precautions**

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-

## SECTION 14: Transport information

14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 Special precautions for user Not available.

14.7 Transport in bulk according to IMO instruments Not available.

## SECTION 15: Regulatory information

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

#### Turkey Regulation No. 30105, KKDIK

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

#### Regulation on the prevention of major industrial accidents and reduction of their effects

This product is not controlled under the Regulation on the prevention of major industrial accidents and reduction of their effects.

#### Annex 17 - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

No listed substance

#### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorisation

#### Annex XIV

None of the components are listed.

#### Substances of very high concern

None of the components are listed.

#### National inventory

**Australia inventory (AIIC)** All components are listed or exempted.

**Canada inventory** All components are listed or exempted.

**China inventory (IECSC)** All components are listed or exempted.

**Japan inventory (CSCL)** At least one component is not listed.

**Korea inventory (KECI)** At least one component is not listed.

**Philippines inventory (PICCS)** All components are listed or exempted.

#### **REACH Status**

The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.

**Taiwan Chemical Substances Inventory (TCSI)** All components are listed or exempted.

**United States inventory (TSCA 8b)** All components are active or exempted.


### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.


**SECTION 16: Other information****Abbreviations and acronyms**

ACGIH = American Conference of Industrial Hygienists  
 ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 CAS = Chemical Abstracts Service  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 OECD = Organisation for Economic Co-operation and Development  
 PBT = Persistent, Bioaccumulative and Toxic  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SADT = Self-Accelerating Decomposition Temperature  
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
 STOT-SE = Specific Target Organ Toxicity - Single Exposure  
 TWA = Time weighted average  
 UN = United Nations  
 UVCB = Complex hydrocarbon substance  
 VOC = Volatile Organic Compound  
 vPvB = Very Persistent and Very Bioaccumulative  
 Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

**Full text of abbreviated H statements**

 H302 Harmful if swallowed.  
 H413 May cause long lasting harmful effects to aquatic life.

**Full text of classifications [CLP/GHS]**

 Acute Tox. 4 ACUTE TOXICITY - Category 4  
 Aquatic Chronic 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4

**History****Date of issue/ Date of revision**

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