

Part I

Safety Data Sheet (SDS)

Regulation on Safety Data Sheets
Regarding Hazardous Substances and Mixtures
[R.G. 13.12.2014 – 29204]



Substance Name : MERWAX M1
Preparation Date : 01.11.2008
Issuance Date : 15.02.2016
Arrangement : 2
Number

Part II

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

1.1. Identification of the Substance : Paraffin Wax, Alkanes
1.2. Determined Usages and : It is used in the sectors of wax, textile, battery,
Inadvisable Usages of the Substances : gunpowder, packaging, polishing, precision
casting.
1.3. Supplier Information of Safety : MercanKimya San. Tic. A.Ş.
Data Sheets : HacıyüplüMh. 3125 Sk. No.23 20195
Merkezefendi/DENİZLİ
Tel: +90 258 371 65 71
Fax: +90 258 371 26 25
1.4. Emergency Phone Number : MercanKimya San. Tic. A.Ş.
Tel: +90 258 371 65 71
Fax: +90 258 371 26 25
UZEM (National Poison Information Center)
Tel: +90 800 314 79 00

2. IDENTIFICATION OF THE HAZARDOUSNESS

2.1. Classification of Substance and : Not classified as hazardous.
Mixture
2.2. Label elements : Not classified as hazardous.
2.3. Other hazards : Not classified as hazardous.

3. INFORMATION ON ITS COMPOUND/CONTENTS

3.1. Substances : It is a mixture material.
3.2. Mixtures : CAS No: 64742-43-4
EC No: 265-145-6
It is a complex hydrocarbon mixture processed with natural or modified clays. It is dominantly consisted of carbon chains with straight chain between C20 and C50.

4. FIRST AID MEASURES

Part I

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Arrangement : 2
Number

Part II

- 4.1.Explanation of first aid measures : In case of eye contact, eye should be washed with plenty of water in a way that the eyelids are open.
In case the hot product comes into contact with the skin, intervention is carried out on the contact place with cold water.
In case of swallowing, plenty of water is drunk. In case the complaint continues, seek medical advice.
In case of inhalation, fresh-air breathing is provided. In case the complaint continues, seek medical advice.
- 4.2.Important acute or subsequent symptoms and effects : There are no important acute or subsequent symptoms and effects.
- 4.3.First signs for the necessity of medical intervention and special treatment : It does not necessitate any measure.

5. FIREFIGHTING MEASURES

- 5.1.Fire extinguishers : SUITABLEEXTINGUISHERS: CO₂, Sand, Fire Extinguishing Powder, Foam.
UNSUITABLEEXTINGUISHERS: Water
- 5.2.Special damages resulting from the substance or the mixture : When burnt, hazardous burning products emerge.
In case of burning,it causes toxic carbon monoxide.
- 5.3.Advices for Fire Squad : Containers should be kept cold by spraying water. Intervention must not be done with water on the burning paraffin. For fire squads, special protection equipment such as boots, overalls, gloves, eye and face protection and respiratory equipment must definitely be used.

6. MEASURES AGAINST SPREAD DUE TO ACCIDENT

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Part II

- 6.1. Personal measures, protective equipment and emergency procedures : Remove the people from the dangerous areas. There is the danger of slipperiness on the area where the leaked product is available.
- 6.2. Environmental measures : It does not necessitate a special measure. In case its molten form is sprinkled, it is prevented to get into the sewage system.
- 6.3. Methods and materials for preservation and cleaning : For the small-scale spillages, wait the product to be frozen and scrape it off mechanically. For the big-scale spillages, scrape it off mechanically after pouring sand on the product.
- 6.4. Referances to other standards : Use the personal protection devices mentioned Section 8.

7. HANDLING AND STORING

- 7.1. Measures for safe handling : No special measure is needed. When the steam/powder of the product is combined with the air, it may show explosive and combustible effect.
- 7.2. Conditions for safe storing including incompatibilities as well : There is no special material that should exist in warehouses and stores. Store it in dry air. Keep it in a cool place. Protect it from the light effect. Avoid its contact with water in the temperatures above 100 °C.
- 7.3. Specific expiration dates : In case it is stored in suitable conditions, it should be used within 5 years.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control parameters : In solid form, there is no exposure risk at room temperature.
- 8.2. Exposure controls : Protective mask is used in the environment where its hot steam is available. In order to protect the skin, heat resisting gloves are used

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Part II

while handling the hot product. While carrying, protective glasses should be used.

9. PHYSICAL AND CHEMICAL FEATURES

- 9.1. Information on the basic physical and chemical features : For determination of physical and chemical parameters, ASTM D721 / D938 / D127 / D1500 / D156 / D1321
- 9.1.1. Appearance : Solid, white, whitish or yellowish, crystalized.
- 9.1.2. Odor : Unique odor.
- 9.1.3. pH : Neutral
- 9.1.4. Melting Point / Melting Interval : 57-60 °C
- 9.1.5. Boiling Point : Indeterminable
- 9.1.6. Freezing Point : 56-59 °C
- 9.1.7. Flash Point : >200 °C
- 9.1.8. Ignition (solid gas) : Not an easily combustible product.
- 9.1.9. Ignition Temperature : >300 °C
- 9.1.10. Explosion Danger : No explosion danger.
- 9.1.11. Explosion Limits : No explosion limit.
- 9.1.12. Lower Limit Wax Powder : >15 g/m³
- 9.1.13. Upper Limit Wax Powder : <1000 g/m³
- 9.1.14. Steam Pressure at 20°C : <0,01 hPa
- 9.1.15. Density : ~0,800 g/cm³
- 9.1.16. Bulk Density at 20°C : 0,400-0,500 g/cm³ (powder/ pastille)
- 9.1.17. Water Solubility : Not soluble
- 9.1.18. Viscosity : Dynamic 3-5 cP @ 100 °C
- 9.1.19. Solvent content : 0,0 %
- 9.1.20. VOC (EC) : 0,0 %
- 9.1.21. Solid Substance Content : 100 %
- 9.2. Other Information : Dissolved within MEK, n-Hexane. It is in the general formula of C_nH_{2n+2}. It does not have redox potential.

10. STABILITY AND REACTION

- 10.1. Reaction : It doesn't have any known hazardous reaction.
- 10.2. Chemical stability : Under normal conditions, it is chemically stable. It doesn't react. It is inert.

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Number

Part II

10.3. Probability of hazardous reaction : It doesn't react. It is inert.
10.4. Situations to be avoided : It doesn't react. It is inert.
10.5. Substances to be avoided : It doesn't react. It is inert.
10.6. Hazardous decay products : It doesn't react. It is inert.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxic effects : No toxic effect. At room temperature, it doesn't have any irritation effect on skin, eye. No known sensitization effect.

12. ECOLOGICAL INFORMATION

12.1. Toxicity :
12.2. Permanence and degradability : Even if it is not easy, the product can degrade potentially.
12.3. Bioaccumulation potential : No bioaccumulation potential.
12.4. Mobility in soil : It doesn't mix with ground water. It causes blockages in sewage system. Generally, it is not risky for water.

13. ELIMINATION INFORMATION

13.1. Waste treatment methods : It can be used after retreatment. It cannot be released to sewage.
Waster Code: 12 01 12 –Used (wax) paraffin and oils

14. TRANSPORTATION INFORMATION

14.1. ADR : Not regulated as dangerous goods for transport under ADR.
14.2. RID : Not regulated as dangerous goods for transport under RID.
14.3. IMO : Not regulated as dangerous goods for transport under IMO.
14.4. IATA/ICAO : Not regulated as dangerous goods for transport under IATA/ICAO.
14.5. Additional Information : According to the provisions above, it was not classified as hazardous substance.

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Part II

15. PROVISION INFORMATION

15.1.Safety, health and environmental provisions specific to substance and mixture : According to Provision on Safety Data Sheet Regarding Hazardous Substances and Mixtures [R.G. 13.12.2014 – 29204], it was not classified as hazardous.
Danger Pictograms:Not applicable.
Warning Word: Not applicable.
Danger Statements: Not applicable.
Chemical Safety Evaluations: Not applicable

16. OTHER INFORMATION

First Aid Measures : GeneralInformation: No need for special measure.

Information Against Spread Due To Accident : Additional Information: Spilled Substance is not hazardous.

Toxicological Information : Additional toxicological effect: When used as specified, it doesn't have hazardous effects according to the known experience and knowledge.

Department issued the SDS : Production Safety Department
Issuer of Safety Data Sheet : Tolga DURAN (Certificate No: GBF-1086)
Abbreviations : ADR: Accord européensur le transport desmarchandises Dangereuses par Route (EuropeanAgreementconcerningthe International Carriage of Dangerous Goodsby Road)
RID: Reglement internationale concernent le transport des marchandises dangerous es par

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Part II

chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)