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MATERIAL SAFETY DATA SHEET

Edition I
Issued on: 10th of
January 2006
Revised on: 21th of
March 2011
Page No./Total No. of
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THE GUM USED FOR PRODUCTION OF STAMPS

The Safety Data Sheet is in accordance with Annex I of the COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

READY Low Odor Laser Rubber

Index number: -

CAS number:

EC number:

Registration number:

1.2. Relevant identified uses of the substance or mixture and use not recommended:

Identified uses:

The A4 size, gum sheets of special type used for stamps manufacturing by means of laser technique.

Applications not recommended:

All other uses than above mentioned.

1.3. Details of the supplier of the safety data sheet



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1.4 Emergency telephone number:

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification of the mixture according to Directive 67/548/EEC:

Not classified.

2.2. Label elements:

Not applicable

Risk-phrases:

Not applicable

Safety phrases:

S22 - Do not breathe dust (Only in case of very fine particle fractions)

S23 - Do not breathe vapours (Only in case of explosion under high temperature) in case of ignition

2.3. Other hazards.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applied.

3.2. Mixtures

Product containing vulcanised butyl and butadiene-acrylonitrile rubber (caoutchouc) with filling material and enriching additives.

Classification of the substances according to Directive 67/548/EEC:

Dangerous components: The material does not contain any of the substances listed in the specification of the hazardous ones

Classification of the substances according to Regulation (EC) No 1272/2008: (*):

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Dangerous components: The material does not contain any of the substances listed in the specification of the hazardous ones

Information on particular health hazard and environmental harmfulness.

The product is not harmful to human beings when basic safety measures are undertaken during the use, handling and transportation. Raised hazard of toxic substances emission is not observed even during prolonged exposure at the highly insulated spots of raised temperature.

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid.****Inhalation**

In the case of prolonged inhalation of vapours provide fresh air (only in the case of contact with strongly heated product).

Skin contact

In case of contact, wash carefully skin with plenty of warm water with soap.

Eye contact

Remove contact lenses, if they are and can be easily removed. Wash eye with lots of running water (only in the case of contact with fine particles of product).

Ingestion

Possibility of consumption by mistake may be excluded.

4.2. The most important acute and delayed symptoms and effects of exposure**Route of entry:**

No data.

Effects of acute exposure:

See section 11.

Effects of chronic exposure:

See section 11.

4.3. Indications for any immediate medical attention and special treatment of the injured**General Recommendations**

No special recommendations.

Information for doctor:

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SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media:**

Suitable: The product is not a flammable material. The ignition is possible when the fire blows up near the place of material storage or handling e.g. in the place of storage.

Unsuitable: According to the surrounding.

5.2. Special hazards arising from the substance or mixture:

During a fire, under thermal decomposition, small amounts of flammable gasses may occur (H₂, CO, light hydrocarbons) which do not produce the hazard of fire or explosion. See also Section 11.

5.3. Information for fire brigade:

According to the size of fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks and gloves. Prevent fire extinguishing water and fire residues from contaminating surface water, the ground water system or into drains or sewers. See also section 10.

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SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures.**

For those not belonging to the personnel providing assistance:

No special recommendations.

For those providing assistance

No special recommendations.

6.2 Environmental precautions

Do not allow entering drains, sewers, ditches, and watercourses. Notify the appropriate authorities in the case of environmental pollution.

6.3. Methods and material for containment and cleaning up

Collect mechanically.

Return to basic product if possible. Waste disposed of in accordance with the recommendations of Section 13.

6.4 References to other sections

Protective equipment and clothing – see Section 8.

Waste disposal – see Section 13 and 15.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

See also section 6.

The use according to its destination does not produce any hazard.

The emission of small amounts of light hydrocarbons, carbon oxide and sulphur compounds are possible under standard conditions of operation, under raised temperature (when stamps are cut out by means of laser technique). Provide suitable ventilation.

Recommendations for fire and explosion protection:

No special recommendations.

7.2 Conditions for safe storage, including any incompatibilities.

Store in original packages. Keep away from food, drink and animal feed.

7.3. Specific end use (s)

No information on specific end-uses.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Not established. The material does not contain any of the substances occupational exposure limits.

The Biological Exposure Index (BEI)

Not established.

DNEL substances – components of the product under conditions of acute and chronic exposure.

Not applicable.

PNEC substances – components of the product to the aquatic environment, sediment, soil and biological sewage treatment plants:

Not applicable.

8.2. Exposure control

Appropriate measures aiming to minimise the contact with the product shall be used with respect to industrial safety regulations.

Respiratory protection:

Dust-masks protecting mouth and nose should be in the case of dust exposure.

Eye protection:



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective glasses in the case of dust exposure.

Hands protection

Protective gloves.

Body protection

Standard working clothes.

General recommendations:

Follow the general regulations of industrial safety. Wash hands and face before breaks and after work. In the workplace, do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Solid, flat plates of A4 size, cinereous - grey

Odour:

Slight characteristic smell of gum intensified under raised temperature

Odour threshold:

Not data.

pH:

Not applicable

Melting temperature:

No data.

Initial boiling point and boiling range:

No data.

Decomposition point:

Above 600°C

Ignition point:

About 175°C by Marcusson method (acc. to PN-82/C04008)

Solubility:

Practically insoluble in water and organic solvents

Density:

1500 kg/m³

9.2. Other information:

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SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage and use.

10.2. Chemical stability

Stable under recommended storage and use. Product is not resistant to oxidizing acids and mineral oils.

10.3. Possibility of hazardous reactions

No data.

10.4. Incompatible materials

Oxidizing acids, mineral oils. See also section 7.

10.5. Hazardous decomposition products

Partial thermal decomposition occurs during the use under standard operation conditions. Under thermal decomposition, small amounts of flammable gasses may occur (H₂, CO, light hydrocarbons).

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SECTION 11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Mixture

There are no data for product.

Relevant hazard class. The product is not a harmful material, which demands marking.

a) Acute toxicity:

Ingestion:

Stomach aches, occurrence of nausea and vomiting.

Product is not classified as hazardous in this class.

b) Skin corrosion/irritation:

Product is not classified as hazardous in this class

c) Serious eye damage/eye irritation

Possible irritation of mucous membrane in the case of contamination with dusty material Mixture is not classified as hazardous in this class

d) Sensitisation by inhalation or skin:

There are no data for product. Product is not classified as hazardous in this class

e) Germ cell mutagenicity:

There are no data for product. Product is not classified as hazardous in this class.

g) Reproductive toxicity

There are no data for product. Product is not classified as hazardous in this class

h) Repeated dose toxicity:

There are no data for product. Product is not classified as hazardous in this class.

i) Aspiration hazard:

Product is not classified as hazardous in this class

Delayed and immediate and chronic effects of short-and long-term exposure**Routes of entry into the body:**

Not applicable.

Effects of acute exposure:

Not observed.

Effects of chronic exposure:

Not observed.

Other information:

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SECTION 12. ECOLOGICAL INFORMATION**12.1. Ecotoxicity****Acute toxicity to aquatic environment**

No data for product. Environmental harmfulness not recognized under proper use

Chronic toxicity to aquatic environment

There are no data for the product. Environmental harmfulness not recognized under proper use

Toxicity to microorganisms

There are no data for the product.

Toxicity to organisms in the terrestrial environment

There are no data for the product.

Toxicity to the atmospheric environment

There are no data for the product.

12.2. Persistence and degradability

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SECTION 12. ECOLOGICAL INFORMATION

There are no data for the product.

12.3. Bioaccumulation

There are no data for the product.

12.4. Mobility in soil

Practically insoluble in water.

12.5. Results of PBT and vPvB assessment.

There are no data for the product.

12.6. Other adverse effects

-

SECTION 13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Be recycled if the appropriate equipment / installation are available. Do not empty into drains, sewers, ditches, and waterways.

This material and its container must be disposed of safely, in the right place, in accordance with applicable regulations.

Waste classification:

No data.

Waste disposal:

The wastes and discards can be stored at landfills.

Residue wastes:

Take professional advice from manufacturer according to wastes recycling. Store at any storage yard open to the public.

Contaminated packages:

Send to appropriate plant of wastes utilisation. Method of waste disposal according to the recommendations of the relevant authority.

SECTION 14. TRANSPORT INFORMATION**ADR/RID**

The product is not a harmful material according to transportation regulations ADR and RID.

Maritime transport - IMDG

No data.

Air transport – ICAO and IATA

No data.

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative



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SECTION 15. REGULATORY INFORMATION

provisions relating to the classification, packaging and labelling of dangerous substances.
Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.
European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

15.2. Chemical safety assessment

Safety assessment of substances - components of the product has not been made.

SECTION 16. OTHER INFORMATION

All of the above data are based on our knowledge. Though they do not constitute warranty of any specific product value and through this cannot be used as the basis of legally solid agreements.

Material safety data sheet (MSDS) was actualised by Eco-Futura Sp. z o.o.: www.ekofutura.com.pl.

This edition replaces the previous sheet edition. The information contained herein should be treated only as an aid to safety in transport, distribution, use and storage.

MSDS is not a quality certificate of product.

Information contained in the MSDS relates to the title of the product only and may not be sufficient for the product used in combination with other materials or in unidentified applications. Employing the product is bound to comply with all applicable standards and regulations and meet the liabilities arising from the misuse of information contained in the MSDS or misuse.

End of material safety data sheet