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Safety Information Data Sheet

1) PRODUCT AND PRODUCER IDENTIFICATION

1.1 PRODUCT COMMERCIAL NAMES AND IDENTIFICATION:

3012 COMPOUND

1.2 PRODUCT TYPE AND INTENDED USE:

Intermediate product comprising a rubber compound with fillers and additives necessary for subsequent moulding and vulcanisation processes.

1.3 PRODUCER/SUPPLIER COMPANY NAME:

Tovo Gomma SpA Via Campagnola, 49 – 25081 Bedizzole (BS)

Tel.: +39-(0)30-6875-143 Fax: +39-(0)30-6873-661 email: paolo.borboni@tovogomma.com

1.4 FOR SAFETY INFORMATION CONTACT:

Tovo Gomma SpA Via Campagnola, 49 – 25081 Bedizzole (BS)

Tel.: +39-(0)30-6875-143 Fax: +39-(0)30-6873-661 email: paolo.borboni@tovogomma.com

2) HAZARD INFORMATION

In the form in which it is offered for sale, and thus during storage and handling at room temperature, the product is not hazardous.

In case of accident (fire) or during the vulcanisation process, some hazardous components may be developed due to chemical decomposition, and be given off in the fumes developed.

Also see sections 5.0 and 8.0.

3) COMPOSITION/INGREDIENTS INFORMATION

The following are the ingredients labelled under Italian Decree Law n. 52 of 3/2/997, with the relative symbols and CAS and EC numbers (where available):

01) N-ISOPROPYL-N'-PHENYL-1.4-PHENYLENEDIAMINE (IPPD)

% in compound 0.31

Symbol Xn (Harmful) N (Dangerous for the environment)

Lim.

CAS N. 101-72-4

CEE 202-969-7

Hazardous - Caution

R22 R43 R50/53
S24 S37 S60 S61

02) ZINC OXIDE

% in compound 1.56
Symbol N (Dangerous for the environment)
Lim.
CAS N. 1314-13-2
CEE 215-222-5
Hazardous - Caution
R50/53
S60 S61

03) N,N"ETILENTIUREA (ETU)

% in compound 0,16
Symbol T (Toxic)
Lim.
CAS N. 96-45-7
CEE 202-506-9
Hazardous - Caution
R22 R61
S53 S45

04) TETRAMETHYLTHIURAM-DISULFIDE (TMTD)

% in compound 0.16
Symbol Xn (Harmful)
Lim.
CAS N. 137-26-8
CEE
Hazardous - Caution
R20/22 R36/37 R40 R43
S24/25 S26 S36/ 37

05) 4,4-DITHIODIMORPHOLINE (DTDM)

% in compound 0.22
Symbol Xi (Irritant)
Lim.
CAS N. 103-34-4
CEE
Hazardous - Caution
R36/38 R43
S22 S24/25 S26 S37/39

06) N-(CYCLOHEXYLTHIO)PHTHALIMIDE (CTP)

% in compound 0.09

Symbol Xi (irritant) N (Dangerous for the environment)

Lim.

CAS N. 17796-82-6

CEE 241-774-1

Hazardous - Caution

R43 R50/53

S22 S24 S28 S37/39 S60

4) FIRST AID MEASURES

4.1 INHALING:

The product is solid and cannot be inhaled. If fumes are developed due to combustion, take the accident victim into a well-ventilated place. Consult a doctor.

4.2 SKIN CONTACT:

No hazards except for individual allergic reactions.

4.3 EYE CONTACT:

In case of combustion fumes, wash with running water. If the irritation persists, consult a doctor.

4.4 INGESTION:

This product is solid and cannot be swallowed. Any ingestion of small fragments does not trigger effects requiring emergency treatment and causes the problems usually related to swallowing of an insoluble foreign body.

5) FIRE FIGHTING MEASURES

5.1 GENERAL INFORMATION:

This product is not flammable but it is combustible. If involved in a fire, it generates hazardous combustion products such as CO, CO₂ and volatile organic substances. When fire fighting, protect the respiratory system (breathing equipment, etc.), eyes (protective goggles) and skin (protective clothing).

5.2 SUITABLE EXTINGUISHING MATERIALS:

All commonly used materials (water, nebulised water, CO₂, foam, chemical powder).

5.3 UNSUITABLE EXTINGUISHING MATERIALS:

None.

5.4 EXPLOSION HAZARD:

None.

5.5 PERSONAL PROTECTION EQUIPMENT FOR FIRE FIGHTING PERSONNEL:

In the area affected by the flames, comply with fire fighting regulations and wear suitable PPE (breathing equipment, helmet, protective goggles, fireproof suit, gloves and boots).

6) ACCIDENTAL RELEASE MEASURES

Since this product is solid and not powdery or granular, this problem is not applicable.

7) HANDLING AND STORAGE

7.1 GENERAL INFORMATION:

No special precautions are required.

7.2 HANDLING:

Wear rubber gloves to avoid dirt and prevent allergic reactions in sensitive individuals.

7.3 ANTI-EXPLOSION PROTECTION:

None.

7.4 STORAGE:

Store in a cool place with normal ventilation, away from heat sources.

Since this product is stable, there are no problems relating to incompatibility with other materials.

8) EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 RELEASE OF CHEMICALS INTO THE WORKING ENVIRONMENT:

When the press is opened at the end of the vulcanisation process, the product emits fumes which must be collected using suitable extraction systems.

Measurements made in a working environment in which the product is vulcanised at temperatures up to 180°C did not reveal the presence of hazardous substances in vulcanisation fumes.

8.2 COMPONENTS AND EXPOSURE LIMITS TO BE MONITORED IN RELATION TO THE WORK PLACE:

No specific checks are considered necessary provided a suitable fume extraction system is installed.

8.3 PERSONAL PROTECTION EQUIPMENT (PPE):

- Respiratory protection: not necessary
- Protection for the hands: leather work-gloves to prevent burns and allergic reactions in sensitive individuals
- Eye protection: not necessary
- Protective clothing: normal working clothes

8.4 INDUSTRIAL HEALTH MEASURES:

- Do not inhale the fumes produced.
- Avoid prolonged protection with the skin and mucous membranes.
- Wash hands thoroughly before eating or going to the toilet.
- Do not eat, drink or smoke in working environments.

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid

Density: 1.47

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Odour: weak, characteristic

10) STABILITY AND REACTIVITY

10.1 HAZARDOUS REACTION PRODUCTS:

The product is stable at ambient temperature and in normal conditions of use.

10.2 HAZARDOUS DECOMPOSITION PRODUCTS:

When fiercely heated, this product tends to release volatile organic substances. Thermal decomposition may trigger noxious and irritant gases.

See also point 5.0, Fire Fighting Measures.

11) TOXICOLOGICAL INFORMATION

This product is not known to have any toxic or noxious effects in the usual conditions of use.

12) ECOLOGICAL INFORMATION

No dangerous effects of any kind are known. Do not dump this product in the environment.

13) DISPOSAL INFORMATION

13.1 CLASSIFICATION:

Waste of this product is classifiable as non-hazardous special waste.

13.2 DISPOSAL INFORMATION:

Do not dump the product in the environment. Dispose of it in an authorised landfill or suitable incinerator.

However, always study the current legislation, bearing in mind that the regulations may vary from region to region.

14) TRANSPORT INFORMATION

This product is not hazardous under transport regulations.

15) REGULATORY INFORMATION

Under EEC directive 91/325 and Italian Ministerial Circular n. 15 of 1/4/92, products containing polymers and elastomers containing any hazardous substances are not a health hazard through inhaling, ingestion or contact with the skin in the form in which they are offered for sale.

These products do not require labelling under article 7 of EEC directive 88/379; however, all information which would have appeared on the label is provided to the professional user through an information system in compliance with article 10 of the aforesaid directive.

16) OTHER INFORMATION

This Safety Data Sheet replaces and annuls any previous editions.



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The information in this document is based on the knowledge available to us at the date of drafting. Tovo gamma declines all liability for behaviour on the part of customers (transformers, dealers, etc.) in breach of the specified information, or in case of uses of the product which could not reasonably have been foreseen, or incorrect or improper uses. All people who come into contact with the material, whether professionals or final consumers, must be made aware of the information contained here. All information in this safety data sheet is provided with the aim of describing safety precautions and emergency procedures, and cannot therefore be interpreted as production specifications or quality guarantees.

Under no circumstances does this safety information exempt the user from the obligation to identify the risks and obtain information about and comply with the laws and regulations application to the use and the specific procedures for utilisation of the product.