



Date of issue:  
April 2008

## SAFETY DATA SHEET

Page 1 out of 6

### 1. COMPOUND AND MANUFACTURER IDENTIFICATION

#### 1.1 - Identifying elements of the compound

**Chemical denomination :** Plasticized mixture of granulated PVC.

**Brand name :** RB1NDG – RB1/DU NDG – RB1/T3M NDG –RB3/M NDG  
RB3 NDG – RB3/D NDG – RB4 NDG – RB5 NDG – RB5/D NDG – RB6 NDG –  
RB/LL NDG

**Commonly used synonymous:** Compounds or PVC granules .

#### 1.2 - Manufacturer's identifying elements

**Company name:** MODENPLAST MEDICAL srl.

**Address:** Via Montegrappa, 24 - 41040 Ubersetto di Fiorano ( MO ).

#### 1.3 - For urgent calls

Factory : Ubersetto di Fiorano ( MO ) - Phone 0039-0536-843826 - Fax 0039-0536-844814.

### 2. COMPOSTION / INFORMATION ABOUT INGREDIENTS

It contains the following substances classified dangerous for health according to the law no.256/74 ( Directive 67/548 EEC ):

SUBSTANCE DENOMINATION	CONC. %	C.A.S. NUMBER	E.E.C. NUMBER	SYMBOL CLASSIFICATION AND "R" PHRASES
n.a.	n.a.	n.a.	n.a.	n.a.

### 3. DANGERS IDENTIFICATION

Under normal conditions, being a solid material, stable and non-powdery, it does not cause in itself any danger to health and to environment (see points 4, 11 and 12).

The products is a polymer where the components are dispersed and incorporated in the basic polymeric mass and therefore not free to perform their action; in literature there is no proof of a direct dangerousness of the PVC granules.

**Complete text of Risk Phrases is in Chapter 16**



**Date of issue:**  
April 2008

## **SAFETY DATA SHEET**

**Page 2 out of 6**

### **4. FIRST AID MEASURES**

#### **4.1 – Inhalation**

n. a.

#### **4.2 - Contact with the skin**

n. a.

#### **4.3 – Contact with the eyes**

Wash immediately with water and if necessary consult a doctor.

#### **4.4 – Ingestion**

In case of malaise please consult a doctor.

### **5. FIREPROOFING MEASURES**

PVC is considered self-extinguishing (if burns in presence of a flame only); anyway it is necessary to take the compound away from heat sources, sparks and free flames.

A large quantity of plasticizer might prejudice the self-extinguishing feature.

#### **5.1 – Proper extinguishing means.**

Atomized water, powder, foam and carbon dioxide.

Water-cool the containers exposed to fire and with atomized water soak up the hydrochloric acid generated by PVC burning and decomposition.

#### **5.2 – Extinguishers not be used for safety reason**

None.

#### **5.3 – Risks arising from exposure to combustion products**

If the compound is involved in a fire, it could send out of smokes containing irritating and toxic substances such as carbon monoxide and hydrochloric acid.

#### **5.4 – Protective equipment for extinguishing operators**

Wear individual proper protective equipment taking special care over the respiratory tract (breathing apparatus), eyes and skin.



Date of issue:  
April 2008

## SAFETY DATA SHEET

Page. 3 out of 6

### 6. PRECAUTIONS IN CASE OF ACCIDENTAL LEAKAGE OF PRODUCT

If this action does not represent any danger, halt the product leakage.  
Pick up the product to avoid possible slidings.

#### 6.1 – Individual precautions

n. a.

#### 6.2 – Environmental precautions

Avoid the product flowing into sewers, surface or subterranean waters and on the ground.

#### 6.3 – Cleaning methods

Pick up the product by means of manual equipment or peoper suction collector.

### 7. HANDLING AND STORAGE

#### 7.1 – Handling

Observe the normal working/personal hygiene measures ventilating

#### 7.2 – Storage

Ensure ventilation to the warehousing rooms.

Protect the containers from material damages and from the constant action of heat sources, keeping them in fresh rooms or outdoor sheltered from solar radiation.

The product is normally sold in polyethylene bags or cardboard containers (Octabin)

### 8. INDIVIDUAL PROTECTION / EXPOSURE CHECK

#### 8.1 - Precautions and technical measures to be taken during the use to minimize the operator's exposure

Work in well-aired and ventilated environments and/or equip to converting machines with located suctions (see points 7) .

#### 8.2 - Specific parameters of environmental control

n. a.

Date of issue:  
April 2008

## SAFETY DATA SHEET

Page 4 out of 6

### 8.3 – Specific parameters of medical checks

Medical checks are not provided by the law, anyway it is recommended to have yearly a medical Together with complementary tests if necessary.

### 8.4 - Recommended checking methods

n.a.

### 8.5 – Equipment able to provide a properly environmental protection

n.a.

### 8.6 – Particular hygiene precautions

n.a.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** cylindric granules of 3 mm diam.;  
**Colour:** various;  
**Smell:** Characteristics of plasticizer;  
**pH aqueous solution (conc.) :** n.a.;  
**Boiling point/interval :** n.a.;  
**Fusion point /interval :** n.d.;  
**Flammability:** n.a.;  
**Inflammability ( GLOW WIRE ):** > 350 °C;

**Self-flammability:** n.a.;  
**Explosive properties:** n.a.;  
**Comburent properties:** n.a.;  
**Steam pressure:** n.a.;  
**Apparent density:** 0,6 – 0,8 g/cm<sup>3</sup>;  
**Solubility in water :** practically insoluble;  
**Coefficient of division:** n.a.;  
**Hardness:** various .

## 10. STABILITY AND REACTIVITY

### 10.1 - Condition to avoid

It is stable in normal condition of ambient temperature and atmospheric pressure.

### 10.2 - Substance to avoid

In presence of Ketone, tetrahydrofuran, methylhydrofuran, dimethylsulfoxide, and cyclohexanone,  
PVC granules have a certain solubility.

### 10.3 - Dangerous decomposition products

If it is exposed to flame, it softens and burns exhaling fumes such as carbon monoxide and hydrochloric acid.



**Date of issue:**  
**April 2008**

## **SAFETY DATA SHEET**

**Page 5 out of 6**

### **11. TOXICOLOGICAL INFORMATION**

In consideration of the physical properties of the product (see point 9) and especially of the granule sizes, damages caused by inhalation and or skin absorption are not conjecturable

### **12. ECOLOGICAL INFORMATION**

Use the compound in conformity to the good working practice avoiding product dispersion in the environment.

The preparation is not biodegradable, is not toxic for the marine habitat and does not produce any effects in the effluents treatment process.

### **13. DISPOSAL**

Residues or excesses of pure product, waste resulting from use and the non-recyclable containers could be disposed in dump of first category like special waste as per rubbish according to 1.1.1 par. of the 27/07/84 Intragovernmental Committee Decree, Art. no. 5 – DPR no. 915/82

### **14. INFORMATION ABOUT THE REGULATIONS**

- by land ( RID / ADR ): not regulated
- by sea ( IMO / IMDG ): not regulated
- by air ( ICAO / IATA ): not regulated.

### **15. INFORMATION ABOUT THE REGULATIONS**

This compound is NOT classified dangerous according to the Directive 1999/45/EC

#### **15.1 – Information on the label**

This compound is not labelled according to Chapter 12, paragraph n°2 of Directive 1999/45/CE, because is a non dangerous mixture within the physical shape with which goes on the market. However Labelling as follows :

- Commercial Name: ( SEE PARAGRPH 1 OF THIS MSDS)
- Chemical Name : Mixture of PVC and TOTM (tri-2 ethyl-hexyl-trimellitate)
- Danger's Symbol : n.a.
- Danger's indication : n.a.

**15.2 – Further national or ECC regulations enforceable as to environment and man protection**  
n.a.



**Date of issue:**  
**April 2008**

**SAFETY DATA SHEET**

**Page 6 out of 6**

**16. FURTHER INFORMATION**

This MSDS was issued according to the Regulation 1907/2006 EC.

Risk phrases in section 2: n.a.

The present data sheet includes data and information gone by knowledge available on the date of the latest revision. It is impossible to guarantee that herein are included all the possible safety measures and therefore, under particular or exceptional circumstances, supplementary precautions could be necessary.

The user must make sure of the completeness and suitability of all the information with regard to the specific use of them.

**LEGEND**

**( # ) = This symbol states that the information have been updated on the date of revision.**

**n.d. = not available.**

**n.a. = not applicable.**