



# MATERIAL SAFETY DATA SHEET

PRODUCT NUMBER: 11 10 28

## SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

SUPPLIER: METPREP LTD.  
CURRIERS CLOSE  
CHARTER AVENUE  
COVENTRY CV4 8AW

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PRODUCT: VARI-SET 20 POWDER

## SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterization: Mixtures**
- **Description:** Acryl-polymeres with anorganic filler materials
- **Dangerous components:** CAS-Nr. 94-36-0 Dibenzoylperoxid < 1%
- **Additional information** For the wording of the listed risk phrases refer to section 16.

## SECTION 3 SUBSTANCE HAZARD IDENTIFICATION

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**  
Contains dibenzoyl peroxide. May produce an allergic reaction.  
Safety data sheet available on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable. · **vPvB:** Not applicable.

## SECTION 4 FIRST AID MEASURES

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact**
- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available



## SECTION 5

## FIRE FIGHTING MEASURES

- **Extinguishing media**
- **Suitable extinguishing agents**  
Water haze  
Foam  
Carbon dioxide  
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## SECTION 6

## ACCIDENTAL RELEASE MEASURES

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Storage between 10 °C and 25 °C.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in dry conditions.
  - **Specific end use(s)** No further relevant information available.\*

## SECTION 7

## HANDLING AND STORAGE

- **Handling:**
- **Precautions for safe handling**  
Development and deposition of dust has to be avoided.  
Provide suction extractors if dust is formed.
- **Information about fire - and explosion protection:**  
Substance/product is self extinguishing, but can burn when combined with flammable material.  
Protect against electrostatic charges.  
Dust can combine with air to form an explosive mixture.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.
- **Recommended storage temperature:** At 15 °C to 25 °C
- **Specific end use(s)** No further relevant information available

## SECTION 8

## EXPOSURE CONTROL/PERSONAL PROTECTION

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** Goggles recommended during refilling- **Respiratory protection:**  
*Use suitable respiratory protective device in case of insufficient ventilation.*



*Not necessary if room is well-ventilated.*

· **Respiratory protection:**

*Not necessary if room is well-ventilated.*

Use suitable respiratory protective device when high concentrations are present.

Dust protective mask

· **Protection of hands:** Protective gloves.

· **Material of gloves** Butyl rubber, BR

· *Recommended filter device for short term use: Filter FFP2*

· *Protection of hands: Protective gloves*

· *Material of gloves*

*Nitrile rubber, NBR*

*Recommended material strength:  $\geq 0.11$  mm*

· *Penetration time of glove material Penetration time  $\geq 8$  h*

· **Eye protection:** *Safety glasses*

· **Body protection:** *Not required*

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Powder

**Colour:** According to product specification

· **Odour:** Nearly odourless

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

**Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** undetermined

· **Flash point:**  $> 250^{\circ}\text{C}$

· **Flammability (solid, gaseous)** Not determined.

· **Ignition temperature:**  $400^{\circ}\text{C}$

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

· **Vapour pressure:** Not applicable.

· **Density at  $20^{\circ}\text{C}$ :**  $2.1 \text{ g/cm}^3$

· **Relative density** Not determined.

· **Vapour density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

**Water:** Insoluble

· **Segregation coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

**dynamic:** Not applicable.

**kinematic:** Not applicable.

34.0

· **Solvent content:**

**Organic solvents:**  $0.0 \%$

**Solids content:**  $100.0 \%$

· **Other information** *No further relevant information available.*



## SECTION 10

## STABILITY AND REACTIVITY PROPERTIES

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Decomposition starts at temperatures of 250 °C
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
During thermic decomposition, flammable fumes which may irritate the eyes and which consist of methylmethacrylate are developed.

## SECTION 11

## TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
Dibenzoyl peroxide 78% LD-50 oral > 5000 mg/kg rat (lit.)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Slightly irritating.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

## SECTION 12

## ECOLOGICAL INFORMATION

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## SECTION 13

## DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- **Recommendation**  
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.
- **European waste catalogue**  
07 02 13 waste plastic
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.



## SECTION 14

## TRANSPORT INFORMATION

- **UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **ADR, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":**

## SECTION 15

## REGULATORY INFORMATION

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16

## OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par 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

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

- **\* Data compared to the previous version altered.**