

DUCALEN 70

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

1.1. Product identifier

Product identifier:

- Trade name: DUCALEN 70

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant uses: Calcium carbonate masterbatch. It is intended as a supplement to polyolefins (LLDPE, HDPE, LDPE, PP, etc.) in techniques of injection moulding, extrusion, blowing etc.

Uses advised against: do not use the chemical for any purpose other than described above.

1.3. Details of the supplier of the safety data sheet

Manufacturer: ABM International doo Palić
Address: Horgoški put 158, 24413 Palić, Republic of Serbia
Telephone: +381 (0)24 522 899
Fax: +381 (0)24 532 199
Web: www.abm.co.rs and www.dukatdoo.com
e-mail: office@abm.co.rs and office@dukatdoo.com

1.4. Emergency telephone number

Emergency Contact: Poison Control Center (VMA)
Crnotravska 17, Belgrade, Republic of Serbia
Number duty toxicologist: +381 (0)11 360 8440
Opening hours: 0-24h / 7 days a week

Emergency medical service
Petefi Šandora 24, Subotica, Republic of Serbia
Telephone: +381 (0)24 551 373, open 24 h 7 days a week

Firefighting unit
Maksima Gorkog 55, Subotica, Republic of Serbia
Telephone: +381 (0)24 555 323, open 24 h 7 days a week

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

Physical and chemical hazards: the chemical is not classified as hazardous based on physical and chemical properties.

Human health hazards: the chemical is not classified as dangerous for human health.

Environmental hazards: the chemical is not classified as hazardous to the environment.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Product identifier:

- Trade name: DUCALEN 70

Hazard pictograms: none.

Signal word: none.

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Hazard statements (H-phrases): none.

Precautionary statements (P-phrases): none.

Additional labeling: none.

2.3. Other hazards

The substances contained in the mixture do not meet the criteria for classification as PBT or vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not relevant (mixture).

3.2. Mixtures

Mixture does not contain hazardous substances, substances classified as PBT or vPvB and substances with workplace exposure limits.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: if symptoms develop and persist, or in case you have concerns, seek medical advice.

After inhalation: exposed person remove to fresh air, away from source exposure. If symptoms / discomforts develop and persist, seek medical attention.

After skin contact: remove contaminated clothing. Parts of the skin that came into contact with a chemical carefully wipe off. Immediately affected area wash thoroughly with cold running water. If discomforts / symptoms occur, consult a doctor.

After eye contact: eyes, rinse immediately with running water during 15 minutes. Check if the contact lenses are present and remove them if possible. Continue rinsing holding the eyelids wide open. Promptly seek medical attention.

After ingestion: rinse mouth with water. Immediately seek help / advice a physician.

4.2. Most important symptoms and effects, both acute and delayed

After inhalation: an effect that can occur after inhalation of fine dust is irritation of the upper respiratory tract. Symptoms may include: coughing, sneezing.

After skin contact: may occur mechanical irritation.

After eye contact: mechanical eye irritation.

After ingestion: there are no known effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

There is no specific antidote. Based on the presence of symptoms and the clinical condition of the patient carry out treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: chemical does not burn. Dry powder, foam, water spray or carbon dioxide may be used in case of fire in the surrounding area.

Unsuitable extinguishing media: not available.

5.2. Special hazards arising from the substance or mixture

The chemical is not flammable and does not burn.

5.3. Advice for firefighters

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Chemical is not flammable and does not burn. Any special precautions are not needed. During the fire fighting in the area, take action and precautions according to the materials involved in the fire. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unprotected persons. Keep the concentration of dust on minimum. In order to avoid the inhalation of dust, provide ventilation of the contaminated area or wear appropriate respiratory protective equipment (for more details see subsection 8.2.). Avoid contact with eyes and skin using adequate protective clothing and equipment (for more details see subsection 8.2.).

6.2. Environmental precautions

Keep away from drains, surface and groundwater to avoid contamination. If this occurs, inform the authorities and advise on further proceedings.

6.3. Methods and material for containment and cleaning up

Collect spilled chemical using vacuum cleaner or shovels. Do not return material to original container. Collect and organize disposal without creating dust. Place in appropriate containers for disposal. Ventilate affected area. Use large amount of water for cleaning residues.

6.4. Reference to other sections

Personal protective equipment: see section 8.

Disposal considerations: see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Prevent direct contact of chemical with eyes and skin. Do not inhale. Ensure proper aspiration at the source of dust. Keep generation and accumulation of dust to a minimum. In the conditions of insufficient ventilation, wear suitable protective equipment (see subsection 8.2.). During the handling, respect the safety working and general hygiene measures. Do not eat, drink or smoke during handling. Wash hands with mild soap and water, before break and after completion of work. Remove contaminated clothing and protective equipment before entering in areas for food.

7.2. Conditions for safe storage, including any incompatibilities

A chemical that is supplied packed in suitable containers stored in a dry place with adequate ventilation. The material supplied in bulk, stored in specially designed and clean silos. Keep away from incompatible materials (see subsection 10.5.). Protect from the influence of water and moisture.

7.3. Specific end use(s)

Identified uses of the chemical are listed in subsection 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

For this substance the workplace exposure limits have not been assigned.

8.2. Exposure controls

Engineering controls: ventilate as necessary to eliminate dust from the work area and maintain concentrations below the exposure limit. Ensure that eyewash stations and safety showers are close to the

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workstation location.

Hygiene measures: personal protective clothing must be clean and dry. Wash contaminated clothing before reuse. In the case of prolonged exposure during the day, it is mandatory to showering with warm water after the completion of the work. Do not eat, drink or smoke during handling.

Individual protection measures:

Respiratory protection: use protective dust respirators (EN 136, EN 140, EN 143, EN 149, EN 405).

Eyes/face protection: use safety glasses (EN 166).

Hand protection: use protective gloves (EN 374).

Body protection: wear protective clothing and shoes (EN 340).

Thermal hazards: no additional information available.

Environmental exposure controls: exhaust air from manufacturing plants that discharges itself into the environment must be previously purified from the dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: - form: - colour:	solid (granular) white to light yellow
Odour:	odourless
Odour threshold:	not available
pH:	≥ 9
Melting point/freezing point:	≥ 193 °C / ≤ - 75 °C
Initial boiling point and boiling range;	not applicable (solid)
Flash point:	> 300 °C
Evaporation rate:	not applicable
Flammability (solid, gas):	non flammable
Upper/lower flammability or explosive limits:	not applicable
Vapour pressure:	not applicable
Vapour density:	not applicable
Relative density:	not available
Solubility(ies):	insoluble in water
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	not applicable
Decomposition temperature:	> 600°C
Viscosity:	not applicable (solid)
Explosive properties:	not explosive
Oxidizing properties:	not oxidizing

9.2. Other information

Density: ≥ 1,672 g/cm³

Melting Flow Index: ≥ 6,69 g/10min (190°C/2,16kg)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

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Reacts with acids.

10.2. Chemical stability

The chemical is stable in normal, recommended conditions of storage and use.

10.3. Possibility of hazardous reactions

No dangerous reactions are known if they comply with the recommended storage conditions and handling. Reaction with acids generate carbon dioxide.

10.4. Conditions to avoid

Moisture. Avoid contact and storage with incompatible materials.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

The chemical is stable in the recommended storage and handling conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: based on available data, the classification criteria are not met.

Skin corrosion/irritation: based on available data, the classification criteria are not met.

Serious eye damage/irritation: based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: based on available data, the classification criteria are not met.

Germ cell mutagenicity: based on available data, the classification criteria are not met.

Carcinogenicity: based on available data, the classification criteria are not met.

Reproductive toxicity: based on available data, the classification criteria are not met.

STOT-single exposure: based on available data, the classification criteria are not met.

STOT-repeated exposure: based on available data, the classification criteria are not met.

Aspiration hazard: based on available data, the classification criteria are not met.

Information on likely routes of exposure: inhalation, oral, dermal and eye exposure.

Symptoms related to the physical, chemical and toxicological characteristics: typical symptoms which occur themselves due to exposure are listed in subsection 4.2.

Delayed and immediate effects as well as chronic effects from short and long-term exposure: delayed and immediate effects that may occur due to short-term and long-term exposure to chemical are described in subsection 4.2.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical is not classified as dangerous for the environment.

12.2. Persistence and degradability

Not biodegradable.

12.3. Bioaccumulative potential

Not bioaccumulative.

12.4. Mobility in soil

The solid, won't come to adsorption.

12.5. Results of PBT and vPvB assessment

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The substances contained in the mixture do not meet the criteria for classification as PBT or vPvB. **12.6.**

Other adverse effects

No known adverse effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of waste material and contaminated packaging: do not empty into drains. Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Methods of treatment of contaminated packaging: treatment and disposal of contaminated packaging harmonize with regulations in force.

SECTION 14: TRANSPORT INFORMATION

The chemical is not considered dangerous under current provisions of the transport of dangerous goods ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulations:

Regulation (EC) No 453/2010

Contains no substances with REACH Annex XVII restrictions

Contains no REACH Annex XIV substances

The product is not a SEVESO substance, not an ozone depleting substance and not a persistent organic pollutant.

National regulations:

The law on chemicals ("Official Gazette of RS", no. 36/09, 88/10, 92/11, 93/12 and 25/15)

The law on safety and health at work ("Official Gazette of RS" no. 101/05, 91/2015 i 113/2017 - other law)

The law on waste management ("Official Gazette of RS", no. 36/09, 88/10, 14/2016 and 95/2018 - other law)

The law on packaging and packaging waste ("Official Gazette of RS", no. 36/2009 and 95/2018 - other law)

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Regulation on the content of the safety data sheet ("Official Gazette of RS", no. 100/11)

Regulation on classification, packaging, labeling and advertising of chemical and certain product in accordance with the Globally Harmonized System of Classification and Labelling of the UN ("Official Gazette of RS", no 105/13, 52/17 and 21/19)

Subsection 15.2. Chemical safety assessment

A chemical safety assessment is not provided for the mixture.

SECTION 16: OTHER INFORMATION

Specifying update: the first edition (version no. 1).

List of abbreviations and acronyms:

VMA: Vojno medicinska akademija (Military Medical Academy)

PBT: persistent, bioaccumulative and toxic chemical

vPvB: very persistent and very bioaccumulative chemical

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: International Rule for Transport of Dangerous Substances by Railway

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

Literature and data sources:

Safety data sheets for substances contained in the mixture.

www.echa.europa.eu

www.ekologija.gov.rs

Other information: the information contained in this safety data sheet are based on knowledge that are with us on the date of the last version. You do not need to understand this document as a guarantee for any specific property of chemical. As the use of chemicals is not under our direct control, users must comply with the applicable laws and measures relating to hygiene and safety.