

MATERIAL SAFETY DATA SHEET

Document No: MSDS-02 Date of issue: 20.04.2023 Rev.: 01

*** 1 Identification of substance**

- **Product details**
- **Trade name:** Powerlift
- **Application of the substance / the preparation** Powerlift
- **Manufacturer/Supplier:**
İNSU TEKNİK Mak. San. ve Tic. A.Ş.
Turanköy Mah. Turan Cad. 7.Sok. No:7/1
16450 - Kestel / BURSA
Tel: + 90 224 371 23 63 / Dahili: 124
Fax: +90 224 371 49 59

*** 2 Composition/Data on components**

CHEMICAL NAME	CAS NO	IN % BY WEIGHT
20# Iron	7439-89-06	40-60
Nylon	--	10-30
3Cr 13	--	5-6
Spring Steel	--	10-20
Reinforced Nylon	--	20-40

*** 3 Hazards identification**

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**
The product does not have to be labelled due to the calculation procedure of international guidelines.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



4 First aid measures

- **General information:** No special measures required.
- **After inhalation:**
Provide fresh air. Keep victims quiet and warm.
In case of unsteady breathing or apnoea induce artificial respiration.
Call a doctor immediately.

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- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** If symptoms persist consult doctor.
- **After swallowing:** Swallowing is not considered to be a possible way of exposure.

5 Fire fighting measures

- **Suitable extinguishing agents:**

The product itself does not burn.

Use fire fighting measures that suit the environment.

- **Special hazards caused by the material, its products of combustion or resulting gases:**

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NOx)

- **Protective equipment:**

In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.

- **Additional information**

Remove fill mass from incendiary zone, if possible.

Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:**

Ensure adequate ventilation

Keep away from ignition sources

- **Measures for environmental protection:**

Do not allow to enter sewers / surface or ground water.

- **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, and universal binders) and disposal in suitable containers.

7 Handling and storage

- **Handling:**

- **Information for safe handling:**

Keep empty containers away from heat and ignition sources.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

No special measures required.

- **Information about protection against explosions and fires:** The product is not flammable.

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store containers in a well aired place at a temperature of less than 50°C.

Store only undamaged original packaging drums.

- **Information about storage in one common storage facility:**

Keep away from combustible and/or inflammable materials.

- **Further information about storage conditions:**

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

- **Storage class:**

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2A (Compressed, liquidized and under pressure solved gases) according to VCI concept

8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**

Not required.

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wear suitable protective clothing at work.

· **Breathing equipment:** Not required.

· **Protection of hands:**

Not required.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **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:** Not required.

9 Physical and chemical properties

· **Physical State**

Solid

- **Color**

N/A

- **Solid Content**

N/A

- **Boiling Point**

N/A

- **Melting Point**

N/A

10 Stability and reactivity

· **Stability**

Stability during normal conditions

- **Reactivity**

It presents no significant reactivity hazards

- **Avoid Material**

No data available

- **Avoid Contact with Conditions**

Avoid direct sunshine and freeze

- **Aggregate Hazard**

No data available

11 Toxicological information

· **Acute toxicity:** No toxicological hazards can happen during normal use

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- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Degradability**
N/A
- **Precautions**
N/A

13 Disposal considerations

- **Product:**
- **Recommendation:** Contact manufacturer for recycling information.
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

- **Transport Type**
Air, Sea, Railway, Highway
- **Transport Attentions**
They should be packed in strong packaging for support during transport. Examine whether the package of the containers are ingredient and tighten closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transport. Corresponding varieties and number of fire equipment and spill contingency processing equipment should be equipped during the course of transportation. During transport, the goods should be prevented from exposure, rain and high temperatures.

15 Regulations

- **EU Regulations**
According to the preparation method classification guidelines (1999/45/EC)
According to the EC classification and labelling guidelines

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.

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