



QAT - CS - 006 -V01 - CM#0 - 121118

Security Information :

N - M#0 - E -E - C - N - X -X - YN

**Document name :** Material safety data sheet

80% Quality rubber bands

1. Identification of the substance and company

Company identification	KOH-I-NOOR ITALIA Spa - Via dell'Artigianato,1/3 - 20082 Binasco (Milano) - Italy Tel : (+39) 02 9001151 Fax : (+39) 02 90011523
Product name	Rubber band
Formula name	80% Quality Rubber Bands
MSDS information	Issue by Mr.Narin Intharathong (Quality Assurance Manager)

2. Hazard identification

Emergency overview	This product is not hazardous as defined by US OSHA, Canadian WHMIS, the US Consumer Products Safety Commission or the . No MSDS is required for this product.  In using this product it is prudent to avoid eye contact. Can prolonged direct contact with skin and clothing.
Symptoms of overexposure	N/A
Inhalation	The inhalation not cause irritation of nose, throat.
Skin contact	Not skin irritation on prolonged contact.
Eye contact	Direct eye contact may cause mild irritation.
Ingestion	Swallowing may cause gastrointestinal irritation. This products has low oral acute toxicity. This product not for eat.
Chronic effects	Not have.
Medical conditions	Not have specify for this product.



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### 3. Composition/information on ingredients

Composition	phr
Natural rubber	100
Chemical additive	51

**Note:**

(Phr) refer to: Parts per Hundred Rubber, a measure used by rubber chemists to depict what amount of certain ingredients are needed.

### 4. First aid measures

Ingestion (Swallowed)	Do induce vomiting and. Give one to two eight-ounce glasses of water to gargle if the patient of conscious and responsive. Never give anything by mouth to an unconscious person and heery up to see the doctor for medical service.
Eye contact	Flush eyes with plenty of water, lifting upper and lower eyelids occasionally. Get medical attention persists.
Skin contact	First aid would not generally be required for this matter. Sensitive individuals if has mild irritation do rinse off with water.
Inhalation (Breathing)	First aid would not generally be required for this matter. If irritation is experienced, remove to fresh air. Get medical attention if irritation persists.

### 5. Fire-fighting measures

Extinguishing media	Water, all purpose (ANC) dry chemical, CO <sub>2</sub> , foam.
Special intervention method	During emergency conditions, overexposure to thermal decomposition products may cause a health hazard. And approved, self-contained breathing apparatus should be worn.
Special exposure hazards	Easily ignited. However, when ignited, and particularly in bulk storage, a hot and difficult to control fire may develop. This product emits acrid smoke and fumes when burning.



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## 6. Accidental release measures

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The action after.

Wear personal protective equipment. Sweep or vacuum up, avoid generating airborne dust. Place in closed container for recycle or disposal.

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## 7. Handling and storage

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Precautions

Keep away from excessive heat and open flame.

Handling

Avoid eye contact.

Storage

Store in a cool dry, the storage temperature should be 25-32 °C and products should be stored away from direct sources of heat such as direct sunlight, boilers, radiators etc. The relative humidity must be such that, given the variations of temperature in storage, condensation does not take place. In any event, the relative humidity of the atmosphere in storage should be less than 70 %. Should be protected from light sources, in particular direct sunlight or intense artificial light having a high UV rays content. In order to avoid damage to the stored rubber products, precautions has to be taken to protect these products from all sources of ionizing radiation. As ozone is particularly harmful to rubber, storage rooms should not contain any equipment that is capable of generating ozone, such as mercury vapour lamps or high -voltage electrical equipment giving rise to electric sparks or silent electrical discharges. The storage rooms must be excluded from Combustion gases and organic vapours, as they may give rise to ozone via photochemical processes. Rubber should be stored free from super imposed tensions and compressive stresses or other cause of deformations. Where products are packed in a strain-free condition, they should be stored in their original packaging. Should not be allowed to come into contact with liquid or semi-liquid materials (for example, petrol, greases, acids, cleaning fluids) or their vapours at any time during storage. Should not be stored in contact with such metals (in particular, copper and manganese) except when bonded to them but should be protected by wrapping in or by separation with a layer of suitable material, e.g. polyethylene or paper.





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### 8. Exposure controls / personal protection

Ventilation protection	When this product is heated, provide enough fresh air/or exhaust to remove the hot processing vapors from the work area.
Respiratory protection	Under normal conditions of use, respiratory protection should not be required.
Skin protection	Who have prolonged contact with this product should practice good personal hygiene by frequent washing of hands and arms with soap and water.
Eye and hand protection (Under high tension condition using)	Safety glasses and leather gloves while under high tension using.

### 9. Physical and chemical properties.

Specific gravity (g/cm <sup>3</sup> )	1.11-1.21
Tensile strength (Mpa)	25-29
Elongation at break (%)	665-735
Tension set (%)	< 6

### 10. Stability and reactivity

Reaction of ozone (O <sub>3</sub> )	The reaction of ozone with an unsaturated elastomer is very rapid until the double bonds at the surface have reacted. The degree of reaction increasing follow the stress and strain. Effected to cracking of surface.
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### 11. Toxicology information

Using experience	Long team experience of this product type indicates no danger to health when properly handled under normal condition.
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### 12. Ecological information

Bioaccumulation	No evidence for bioaccumulation.
Ecotoxic effects	The product is not classified as dangerous for the environment



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### 13. Disposal considerations

Waste	Waste product should not be discharged directly into drains or waterways without treatment.
Disposal	Disposal of product and packaging should be treated in a separation and biological treatment plant.

### 14. Transport information

Transport	This product is not classified as dangerous for carriage.
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### 15. Regulatory information

ෆෆෆ. 886-2559	N/A
Regulations (CFR) 21, Section 177.2600	N/A
Reach Conformity to 1907/2006/EC	N/A
RoHS Conformity to 2011/65/EU	N/A
Safe for use in food or food packaging according to U.S.	N/A
Food and Drug Administration (FDA) Code of Federal	N/A
Production according to German DIN 7715	N/A

### 16. Other information

This information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is guided to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous substances. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility; we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of any way. If the product is used as a component in another product, this MSDS information may not be applicable.



# KOH-I-NOOR Italia spa

Spettabile  
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Binasco, 22 luglio 2020

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Cordiali saluti.

Giuseppe Massetti  
Amministratore delegato

A handwritten signature in blue ink, consisting of several loops and flourishes, positioned to the right of the typed name and title.