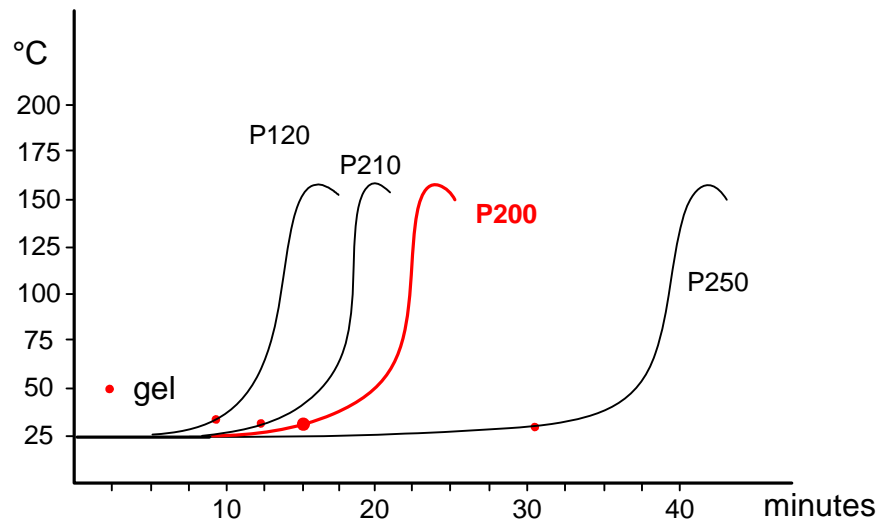


**PRODUCT PROPERTIES AND RANGE OF APPLICATION**

<b>Product description</b>	The <b>PROMOX P200</b> peroxide is a solution of methyl ethyl ketone peroxides in plasticizers. It is used for the curing process of unsaturated polyester resins together with various accelerating systems. The <b>PROMOX P200</b> is used in most production cycles at a temperature ranging from 15 to 80 degrees centigrade. The concentration of use generally ranges from 1 to 2 part /100 parts of resin.
<b>Accelerators and promoters</b>	Generally cobalt salts (octoate, naphtenate) are used but seldom vanadium o manganese salts . The accelerator performances can be improved by adding promoters which exalt their action.
<b>Uses</b>	The <b>PROMOX P200</b> is a general purpose peroxide with a low content in unreacted raw materials; so It is particularly useful for the curing of orthophtalic resins, chemical resistant resins as isophtalic, bisphenolic, vinilesters resins and gel coats.
<b>Packaging</b>	Promox peroxides are normally packaged in 25 kg polyethylene drums. Smaller packaging is available as requested. Drums are palletised from 600 to 900 Kg weight net.
<b>Storage</b>	When the product is stored under recommended storage conditions, it keeps the original properties for a period of at least six months after delivery.
<b>Curing diagrams</b>	The following diagram helps the users to choose the most suitable MEKP Promox product they need. A medium reactivity, preaccelerated orthophtalic resin has been used to test the peroxides. The curves were obtained by adding 2 parts of peroxide /100 parts of resin at 25° C.


**PHYSICAL AND CHEMICAL PROPERTIES**

Main Properties	Unit	expected value
Appearance	-	Clear liquid
Colour	-	Colourless
Active oxygen content	%	9,1
Peroxides content	%	36
Plasticizers content	%	> 55
Other information	Unit	expected value
Boiling point/ interval	°C	100°C Decomposes
Flash point (closed cup)	°C	Not applicable
Flammability ASTM D-4206-96(2001)	-	Do not support the combustion
SADT (Self Accelerated Decomposition Temperature)	°C	> 60
Relative density UNI EN ISO 12185-00	d 20/20	1.050
Viscosity at 20 °C ISO UNI EN 3104	mPa.s	19

**MAIN RISK**

<b>Main risk</b>	It may cause fire. Harmful if swallowed. Causes burns. Toxic to aquatic organism.
<b>Health effects - eye</b>	Contact with eyes causes injury to the cornea and eyelids.
<b>Health effects - skin</b>	Contact with skin causes burns.
<b>Health effects – ingestion</b>	Swallowing causes corrosion to oral cavity, pharynx and to alimentary canal.
<b>Health effects – inhalation</b>	Reduced inhalation risk.
<b>Environmental effects</b>	Toxic to aquatic organism.

**STABILITY AND REACTIVITY**

<b>Stability</b>	This product remains stable under normal storage and use conditions. Store in a well ventilated place away from sources of heat, direct sunlight, flammable and incompatible substances in the original closed drums.
<b>Reactivity</b>	It can rapidly decompose if heated or mixed with other incompatible chemical compounds. Product decomposition is detected by temperature increase and fumes emission.
<b>Conditions to avoid</b>	Do not mix with any kinds of metallic salts; acids and alkalis, especially if they are in a concentrated form or with any reducers and all the organic and flammable compounds.
<b>Decomposition products</b>	The main products of the decomposition process are: oxygen, carbon dioxide, water, acetic acid Methylethylketone

**TOXICOLOGICAL INFORMATION****METHYL ETHYL KETONE PEROXIDE (35% solution in Dimethyl phthalate)**

Acute toxicity - Oral	LD50 oral - (lethal dose rat)	484 mg/Kg
Acute toxicity - Inhalation	LC50 (lethal concentration rat)	170 ppm/4h
Acute toxicity - Dermal	LD50 (lethal dose rat)	1017 mg/Kg
Eye irritation	(rabbit)	Extremely irritant/ corrosive
Skin irritation	(rabbit)	Corrosive
Genotoxicity "in vitro" (Ames test)		Negative
Skin sensitization		n.d.

**HANDLING AND PERSONAL PROTECTION**

<b>Personal protection</b>	The working area shall be provided with suitable ventilation system Wear suitable protective gloves of neoprene or synthetic rubber and glasses or mask during pouring.
<b>Handling</b>	Use clean drums for small quantities. Use non-affective containers like glass, pottery, polyethylene or inox steel. Do not use naked flames, produce sparks or smoke inside the working areas. Do not compound/pollute with other substances which can cause decomposition. Avoid peroxide refilling into its original container.
<b>First aid eyes</b>	Wash immediately keeping the eyelid always far from the eye. Wash immediately with plenty of running water. Immediately take the injured person to an oculist. Do not treat injured eyes with any ointments or oils.
<b>First aid skin</b>	Remove the contaminated clothes immediately, wash any affected skin area with plenty of water and soap. Should there be persistent skin irritation, take the injured person to the nearest first-aid
<b>First aid ingestion</b>	Do not induce vomiting. Rinse mouth with water and immediately take him to the nearest first-aid post.
<b>First aid inhalation</b>	Take the injured person away from the contaminated area. If he shows any signs of breathing-insufficiency, give artificial respiration by a self-expanding balloon mask (AMBU) and take him to the first-aid post.
<b>Suitable extinguishing media</b>	Always use water as an extinguisher, preferably sprinkled, keeping windward and at a safe distance. Cool down both the containers which have been involved in the fire and the surrounding area.
<b>Spillage / first aid</b>	Prevent the spreading of the product by covering it with inert absorbent (e.g. vermiculite). Collect as much as possible in a open, clean container for disposal. Never try to recover the discharged product, or reintroduce it into its original containers. Clean the affected area with water, avoid excessive waste dispersion and neutralize with soda or lime.

**More detailed information can be found in the Safety data Sheet of this product**

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<b>Emergency Phone Number</b>	In the case of emergency call: "CENTRO ANTI-VELENI" di MILANO		TEL. +39 / 02 / 66101029
	PROMOX SRL		TEL. +39 / 0332 / 648380

All suggestions included in this safety information card are the summary of the most reliable data available at the moment. It is however impossible to guarantee that these instructions are sufficient and/or valid for any application.  
For any further information, users may directly contact the Promox Technical Service.