

# MATERIAL SAFETY DATA SHEET

*This Safety Material Data Sheet is prepared on the base of Regulation 1907/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/WE and repealing Council Regulation 793/93/EEC and Commission Report 1488/94/EC and Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC i 200/21/EC.*

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## 1 IDENTIFICATION OF PREPARATION IDENTIFICATION OF MANUFACTURER AND DISTRIBUTOR

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**Identification of Preparation:**

**INTER TROTON MASTER  
HARDENER TO SPRAY PUTTY**

**Application:**

Professional repairs of car body repairs.

**Manufacturer/Distributor:**

TROTON Sp. z o. o.  
78-120 Gościno  
Ząbrowo 14A, Poland

tel/fax +48 94 35 126 22  
tel +48 94 35 123 94  
e-mail: [troton@troton.com.pl](mailto:troton@troton.com.pl)

**Emergency telephone number (8:00 am – 4:00 pm): +48 94 35 126 22**

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Date of preparation: January 6<sup>th</sup>, 2006

Revision date: October 4<sup>th</sup>, 2007

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## 2 IDENTIFICATION OF THREATS

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### 2.1 Classification and marking of preparation

Oxidizing product (O)

Caustic product (C)

Highly flammable product (F)

May cause fire (R7). Causes burning (R34). Repeated exposure may cause dryness or breaking of skin (R 66).

Odours may cause drowsiness and nausea (R 67).

High pressure may follow In closed containers without a vent valve.

Irritating to eyes.

### 2.2 Fire hazards

Highly flammable, avoid contact with flame and strong oxidants

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## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

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### 3.1 Dangerous ingredients along with classification

Ingredient:	EEC No.	CAS No.	WE No.	% wag.	Symbol	R phrase
Cyclohexane peroxide	617-010-00-1	12262-58-7	235-527-7	13-15	E; Xn; C	2-22-34

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Dimethyl phthalate	-	131-11-3	205-011-6	15-20	-	-
Diacetone alcohol	603-016-00-1	123-42-2	204-626-7	20-25	Xi	36
Ethyl acetate	607-022-00-5	141-78-6	205-500-4	35-45	F; Xi	11-36-66-67

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## 4. FIRST AID MEASURES

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### 4.1 Procedure to follow according to exposure

Inhalation:	Move the injured into fresh air. Provide for resting in reclining position, loosen clothes. If problems with breathing follow apply oxide or artificial respiration. Remove contaminated clothes. Always seek medical assistance.
Contact with eyes:	Rinse an open eye with water for at least 15 minutes, separating the eyelid from the eyeball. Immediately consult the doctor.
Contact with skin:	Immediately remove the whole contaminated clothes. Wash with plenty of water with soap. Always seek medical assistance. Wash clothes before the next use.
Swallowing:	If injured is conscious rinse mouth with plenty of water. Call the doctor. <b>Do not cause vomiting.</b>
General instructions:	Keep precautions measures relating to handling chemical substances. If any alarming symptoms follow call the doctor
Instructions for doctor:	Symptomatic treatment recommended.

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## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media:

Water, carbon dioxide, dry sand.

### 5.2 Special instructions:

Use overalls protecting against contact of burning fluid with skin and eyes.

Respiratory apparatus required.

### 5.3 Special protective equipment for fire fighting:

Another ignition may follow. Decomposition due to heating up. Maintains fire. In case of fire or explosion do not inhale smoke.

### 5.4 Other information:

Extinguish small fire with powder or carbon dioxide, next use water to prevent another ignition.

### 5.5 Combustion products

Carbon dioxide, adipic acid, cyclohexanone.

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## 6. ACCIDENTAL RELEASE MEASURES

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Put out any ignition sources and do not generate sparks and flames.  
Provide earthing to prevent electrostatic discharge.  
Evacuate people from endangered area.  
Apply respiration masks, goggles, rubber boots and protective gloves.  
Clear away into a clean container for the next use or utilisation.  
Ventilate area and clean carefully flooring.  
Prevent large amounts from entering into drains.  
Odours are heavier than air and may accumulate near flooring.

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## 7. HANDLING AND STORAGE

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### 7.1 Handling

During application of product do not eat, do not drink and do not smoke.  
Avoid contact with skin and eyes.  
Apply individual protection measures (See section 8).  
Wash carefully hands after handling product.  
Do not mix with accelerators.  
Store at maximum temperature of 25°C.

### 7.2 Storage

Maximum mass of peroxides stored at one chamber shall not exceed 2500 kg.  
Do not store peroxides along with other materials at one room.  
Stored peroxides shall be respectively separated and labelled with date of delivery.  
The oldest products shall be used firstly.  
Do not open packaging with peroxides inside storage facilities, except for taking samples by technical personnel.  
Protect peroxides against direct sunlight, any heat sources and provide ventilation in storage rooms.  
Do not store peroxides along with other materials at one room.  
Do not store peroxides along with damaged packaging.  
Store away from reduction agents (e.g. amines), acids, bases and heavy metal compounds (e.g. accelerators, siccatives, metallic soap).  
Provide mining installations into storage facilities (sprinklers).  
Do not smoke and handle with open fire at any facilities with stored peroxides.  
Provide for intra-factory transport only specially prepared spark-proof and explosion-proof devices.  
Store only in an original container.  
Transit store shall be a separate room into manufacture building purposed for short-term storage of peroxides used in current production.  
Peroxides stored at transit store shall be used within one shift.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

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<u>Ingredient</u>	<u>No. CAS</u>	<u>Norm</u>	<u>Value</u>	<u>Unit</u>
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Dimethyl phthalate	131-11-3	NDS	5	mg/m <sup>3</sup>
		NDSch	10	mg/m <sup>3</sup>
Diacetone alcohol	123-42-2	NDS	240	mg/m <sup>3</sup>
		NDSch	-	mg/m <sup>3</sup>
Ethyl acetate	141-78-6	NDS	200	mg/m <sup>3</sup>
		NDSch	600	mg/m <sup>3</sup>

## Legal basis:

Labour and Social Policy Minister Order of 29 November 2002 on the highest permissible concentrations and volumes of factors harmful for health in labour environment (Book of Acts No. 217 item 1833, 2002 with later amendments).

## Hands protection:

Use protective gloves form butyl rubber.

## Face and eyes protection:

Apply face/eyes protective equipment (protective goggles with side guards)

## Skin protection:

Apply adequate protective clothes (made from acid-pooof fabric).

Provide in work areas good ventilation and local extractors. Explosion proof ventilation is recommended.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Form, colour and fragrance

Clear , colourless solution containing 15% of peroxides.

### 9.2 Density

1.0g/cm<sup>3</sup>

### 9.3 pH

Slightly acid solution

### 9.4 Activated oxygen amount

2.803.0 %

### 9.5 Flash point

-4<sup>0</sup> C (Ethyl acetate)

### 9.6 SADT

Around 60<sup>0</sup>C

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## 10. STABILITY AND REACTIVITY

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### 10.1 Stability and Reactivity

SADT (temperature self-accelerating decomposition) it is the lowest temperature at which self-accelerating decomposition of substance may follow in packing applied for transport. Contact with incompatible substances may cause decomposition at temperature equal to or lower than SADT.

### 10.2 Incompatible substances

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## 11. TOXICOLOGICAL INFORMATION

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No data available regarding preparation. Evaluation was made on grounds of data of ingredients of preparation.

## 11. 1 Results for health due to high exposure

Ingredient	No. CAS	Dosage	Value	Unit
Cyclohexane peroxide	12262-58-7	LD50(mouse, orally)	880	mg/kg
		LC50(rat, inhalation)	>5	mg/dm <sup>3</sup>
		Eyes – highly irritating		
		Skin – highly irritating		
		Results due to operations on human – Causes skin and eyes irritation. Long-term inhalation causes throat irritation and headache.. Long-term contact with skin casus irritation and burning.		
Dimethyl phthalate	131-11-3	LD50(rat, orally)	>4800	mg/kg
		LD50(rabbit, skin)	10.0	ml/kg
		Eyes – minimal irritating		
		Skin – mildly irritating		
		Results due to operations on human – swallowing may result in stomach disorder, vertigo, and nausea. Contact with eyes causes notable headache..		
Diacetone alcohol	123-42-2	LD50(rat, orally)	4,0	g/kg
		LD50 (rat, skin)	14,5	ml/kg
		Eyes – highly irritating		
		Skin – mildly irritating		
		Results due to operations on human – long-term and repeated exposure causes conjunctiva and cornea damage. Long-term contact may cause skin sensitization. Higher concentrations may cause fever and drowsiness. Prolonged exposure may damage liver and kidney.		
Ethyl acetate	141-78-6	LD50(rat, orally)	5,6	g/kg
		LD50(rat, inhalation)	4000	ppm/4h
		Eyes – moderately irritating		
		Skin – mildly irritating		
		Results due to operations on human: Odours may cause drowsiness and headache. Repeated exposure may cause dryness or breaking of skin .		

## 12. ECOLOGICAL INFORMATION

No data available regarding mobility in environment , biodegradation, and bioaccumulation of preparation. Evaluation was made on grounds of data of ingredients of preparation.

### 12. 1 Ecotoxicity

Ingredient	No. CAS	Method	Value	Unit
Cyclohexane peroxide	12262-58-7	LC (fish-Brachydanio rerio)	48	mg/l
		Biodegradation – highly biodegradable		
Dimethyl phthalate	131-11-3	EC50 (alga-Selenastrum capricorutum)	39,800	µg/l/96h

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		LC50 (fish+-Lepomis macrochirus)	50	mg/l/96h
		Biodegradation highly biodegradable		
		Bioconcentration ratio – BCF (fish) = 5,4 (24h)		
Diacetone alcohol	123-42-2	LC50(fish-Lepomis macrochirus)	420	ppm/96h
		Biodegradation – biodegradable		
		Bioconcentration ratio – BCF = 0,5		
Ethyl acetate	141-78-6	LC50(fish)	230	mg/l/96h
		Biodegradation: highly biodegradable		
		Bioconcentration ratio – BCF = 3,2		

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## 13. DISPOSAL CONSIDERATIONS

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Legal basis:

Act of 27 April 2001 on Wastes (Book of Acts No. 62, item 628, 2001)

Environment Minister Order of 27 September 2001 on Wastes Catalogue (Book of Acts No.112, item 1206 dated 8.10.2001)

Act of 11 May 2001 on Packaging and Waste Packaging (Book of Acts no.63, item 638, 2001)

Act of 19 December 2002 on Revision of Act on Waste and other Acts (Book of Acts No.7, item 78, 2003)

Act of 29 July 2005 on Revision of Act on Waste and other Acts (Book of Acts dated 2005 No.175, item 1458)

### 13.1 Disposal of waste or excessive amount

Do not dispose product along with farm wastes, do not pour out into drains. Incinerate at special installations or transit to waste collection facility.

16.09.03 Peroxides

### 13.2 Disposal of used containers

Used packaging shall be handed over to an authorized agent.

Waste code:

15 01 10\* Packaging contaminated with or containing residues of dangerous substances

Used packaging shall be handed over to an authorized agent who possesses permits in respect of waste management, in particular dangerous waste management.

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## 14. TRANSPORT INFORMATION

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UN No.	3105
Class	5.2
Classification code	P1(Organic peroxide without control temperature)
Name and description according to ADR	Type D organic peroxide, liquid (Cyclohexane peroxide )
Label	5.2

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Packaging instructions P520

Packaging method OP7

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## 15. REGULATORY INFORMATION

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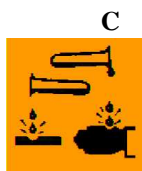
### 15.1 Packaging

Packaging labeling

Label containing:

**INTER TROTON MASTER HARDENER TO SPRAY PUTTY**

### Symbols



Caustic



Oxidizing



Highly  
flammable

### Risk phrases:

R7	May cause fire
R34	Causes burns
R66	Repeated exposure may cause dryness or breaking of skin.
R 67	Odours may cause drowsiness and vertigo.

### Safety phrases:

S2	Protect against children.
S7	Store container tight closed in cool place.
S14	Do not store along with reduction agents (amines), acids, bases and heavy metal compounds (e.g. accelerators)
S26	Wash eyes immediately with large amount of water and consult doctor.
S36/37/39	Apply appropriate protective clothes,

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S 45  
protective gloves and goggles or mask.  
In case of failure or any health deterioration consult the doctor- if possible show a product label.

Contains: Cyclohexane peroxide , diacetone alcohol, ethyl acetate.

## 15.2 Other regulations if applicable

Act on chemical substances and preparations of 11 January 2001 (Book of Acts No.11, item 84; No. 100 item 1085; No.123, item 1350; No. 125, item. 1367 with alteration as of 5 July 2002 (Book of Acts No.142, item 1187).

Health Minister Order of 3 July 2002 on Safety Data Sheet of dangerous substance and preparation (Book of Acts No. 140, item 1171).

Health Minister Order of 14 December 2004 amending order regarding Safety Data Sheet of dangerous substance and preparation (Book of Acts No. 2, item 8).

Health Minister Order of 28 September 2005 on list of dangerous substances along with classification and labelling (Book of Acts No.201, item 1674).

Health Minister Order of 2 September 2003 on labelling of packaging of dangerous substances and preparations (Book of Acts No.173, item 1679 with later amendments).

Health Minister Order of 2 September 2003 on criteria and classification of dangerous substances and preparations (Book of Acts No.171, item 1666 with later amendments).

Act of 27 April 2001 on wastes (Book of Acts No.62, item 628) and Environment Minister.

Order of 27 September 2001 on Wastes Catalogue (Book of Acts Np.112, item 1209).

Act of 29 July 2005 on Revision of Act on Waste and other Acts (Book of Acts dated 2005 No.175, item 1458).

Labour and Social Policy Minister Order of 29 November 2002 on the highest permissible concentrations and volumes of factors harmful for health in labour environment (Book of Acts No. 217 item 1833, 2002 with later amendments).

Directive (EU) No. 1907/2006 ref. REACH.

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## 16. OTHER INFORMATION

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Information in this SDS provide for description of product in respect of safety only.  
User bears responsibility for safe application of product and user is solely responsible for any results resulted from improper use of this product.

### **R phrases** (describing kind of hazard) used in paragraph 2 of SDS:

- R2 Risk of explosion due to impact, friction, contact with fire or other sources of ignition R11 Highly flammable
- R22 Harmful if swallowed
- R34 Causes burns
- R36 Irritating to eyes
- R66 Repeated exposure may cause dryness and breaking of skin
- R 67 Odours may cause drowsiness and vertigo.