

## MATERIAL SAFETY DATA SHEET

Date of Preparation 2002/07/01  
 MSDS No & Date of Revision STSDE (10)  
 Date of Revision 2013/04/01

### 1. Identification of the substance/preparation and of the company

Trade name **SCOTELIN<sup>®</sup>**  
 Supplier/Manufacturer's name HUNIZ CO., LTD.  
 22, Noksansandan 165-ro, Gangseo-gu, Busan 618-817,  
 Korea  
 TEL: 82 51 831 1030 FAX: 82 51 831 1040  
 E-mail address: jhpark@huniz.kr  
 Emergency call number 82 51 831 1030

### 2. Composition/Information on ingredients

Chemical nature Peracetic acid cleaner

	Name of ingredients	CAS No.	%
Base solution	Peracetic acid	79-21-0	0.13%
	Hydrogen peroxide	7722-84-1	3.0%
	Acetic acid	64-19-7	1%
	Other inert ingredients		95.87%
Additive	IPA	67-63-0	87.75%
	Other inert ingredients		12.25%

### 3. Hazards identification

Specific risk

Inhalation YES  
 Skin NO  
 Ingestion YES

This product can cause burns, as evidence by temporary whitening of skin, irritation to eyes, skin & mucous membranes.

### 4. First aid measures

Inhalation Remove to fresh air. Support breathing.  
 Skin contact Rinse with running water  
 Eye contact Immediately flush eyes with copious amounts of running water (at least 10 minutes), see a oculist.

Ingestion Flush oral cavity, drink plenty of water, and see a physician

## 5. Fire fighting measures

Means of extinction

Recommended

Suitable agents of extinction: Water broken jet or full jet, foam extinguishing

Inappropriate agents of extinction: Extinguishing powder, carbon dioxide.

Particular methods release.

In the event of peripheral fire danger of decomposition with oxygen release.

The oxygen release can support combustion.

Danger of overpressure and bursting in the event of decomposition in closed containers.

In the event of fire to cool the containers threatened using water or the walnut tree with water.

Special equipment for the protection of the speakers

Use NIOSH/MSHA approved full protective equipment.

## 6. Accidental release measure

Individual precautions

Avoid contact with skin and eyes

Precautions for the environmental protection

Product is biodegradable under OECD conditions

Methods of cleaning

In the event of discharge, to draw aside any source of ignition, to spread an absorbing matter inert. Not to use textile, of the combustible material, sawdust.

To collect and eliminate in barrels, to cover them.

To wash the part soiled with water.

Additional indications: Never not to give a product which would have was spread, in the container of origin for re-use. (Risk of decomposition)

## 7. Handling & Storage

Handling

No specific measures required

Storage

Keep container tightly sealed but vented.

When not in use, store in a cool, dry area.

Only use approved steel and plastic containers

## 8. Exposure controls/personal protection

Information on the system design

No special measures required

Components with specific control parameters

None

Personal protection:

Respiratory protection	Use suitable NIOSH/MSHA approved respiratory protection if air contamination is above permitted levels.
Hand protection	Suitable protective gloves recommended
Eye protection	Protective goggle recommended

## 9. Physical & Chemical properties

Aspect	Physical State:	Liquid
	Color:	Colorless
	Odor:	Typical acetic acid odor
pH	3.0~4.0 (25 °C)	
Density	Approx. 1.0 g/cm <sup>3</sup> (25 °C)	
Inflammability	Uninflammable	
Flash point	Not applicable	
Solubility	Soluble in water unlimited	
Vapor pressure	Not established	

## 10. Stability & Reactivity

Stability	The product is a stable oxidizing agent at ambient temperature.
Conditions to avoid	No decomposition if used according to specification
Materials to be avoided	Heavy metals include iron, copper, copper alloys, brass & aluminum salt, alkalis, caustics, chlorine.

## 11. Toxicological Information

LD <sub>50</sub>	2,000 mg/kg (Rat, OECD)
Primary ocular irritation	Mild Irritation (Rabbit, OECD)
Primary skin	Non-irritation (Rabbit, ISO)
Skin sensitization	Non-irritation (Guinea Pig, ISO)
Acute dermal	Non-toxic (Rabbit, OECD)

## 12. Ecological information

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No known adverse effects from normal use  
Readily biodegradable under OECD conditions

### 13. Disposal considerations

Taking into account the regulation in force, contaminated packing

In consultation with the responsible local, state & federal authority.

Neutralizing agent

None specified agents

### 14. Transport information

Not special conditions apply.

### 15. Regulatory information

Directive 88/379/CEE modified by 96/54/CE

Symbol of danger: None

Sentences S:

S 2 To preserve out of reach children.

S 3 To preserve years a fresh place.

S 24/25 To avoid the contact with the skin and the eyes.

S 26 In the event of contact with the eyes, to wash immediately and abundantly with water and to consult a specialist.

S 37 To wear suitable gloves

### 16. Other information

Safety phases

Keep out of reach of children

Avoid contact with the skin and eyes

Do not mix with other chemicals