

SAFETY DATA SHEET

1 – IDENTIFICATION OF SUBSTANCE / AGENT AND COMPANY / FIRM

Identification of substance / agent:

Name: IND reagent
Product code: 3002
Use: Reagent used for visualization of test IND.

Identification of company / firm:

Name: DIAGNOSTICS s.r.o.
Address: Hodská 68, 924 01 Galanta
Tel.: +421 917 742 927 Fax: +421 269 202 902
E-mail: info@diagnostics.sk
<http://www.diagnostics.sk>

Emergency link:

Organization: National toxicological information centre, Limbová 5, 833 05 Bratislava
Tel.: +421-2-54 774 166

2 – IDENTIFICATION OF HAZARDS

Classification of material or mixture:

Classification (Directive ES 1272/2008):

Flamable liquid and vapours, cat. 3, H226
Skin irritability, cat. 2, H315
Eye damage, cat. 1, H318
Harmful after ingestion, cat. 4, H302

Full text of H-data stated in this section see sec. 16.

Classification (67/548/EHS or 1999/45/ES):

F; R11
C; R34
Xi; R37

Full text of R sentences stated in this section see sec. 16.

Marking elements:

Marking (Directive ES 1272/2008):

Warning pictograms:



Warning word:

Danger

Warning alerts:

H226 Flammable liquid and vapour
H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage

Warning alerts:

- P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P270 Do not eat, drink or smoke when using this product.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P370+P378 In case of fire: Use water or CO2 for extinguishing.
- P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Marking (67/548/EHS or 1999/45/ES):

Symbol(s):	C	Caustic
	F	Highly flammable
R-sentence (s):	34-37	Causes burns. Irritating to respiratory system.
	11	Highly flammable.
S-sentence (s):	26-36/37/39-45	Very toxic by inhalation. Irritating to eyes. Irritating to respiratory system. Danger of very serious irreversible effects. May cause cancer.
	7-16	May cause fire. Explosive when mixed with oxidising substances.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous compounds (Directive ES 1272/2008):

CAS no.	EK no.	Index no.	Name	Classification	Amount
7647-01-0	231-595-7	017-002-01-X	Hydrochloric acid	H335, H314, H290	10%
64-17-5	200-578-6	306-002-00-5	Ethanol	H225	50%

Dangerous compounds (1999/45/ES):

CAS no.	EK no.	Index no.	Name	Classification	Amount
7647-01-0	231-595-7	017-002-01-X	Hydrochloric acid	C; R34, Xi; R37	10%
64-17-5	200-578-6	306-002-00-5	Ethanol	F; R11 50%	

Other compounds (Directive ES 1272/2008)

CAS no.	EK no.	Index no.	Name	Classification	Amount
100-10-7	202-819-0		4-(dimethylamino)benzaldehyde		3%

Other compounds (1999/45/ES)

CAS no.	EK no.	Index no.	Name	Classification	Amount
100-10-7	202-819-0		4-(dimethylamino)benzaldehyde		3%

4 – FIRST AID MEASURES

Contact with eyes:

Rinse eyes with open lids several minutes with flow of running. Consult with doctor in case of retaining difficulties.

Contact with skin:

Immediately wash with water and soap and properly rinse. Search medical advice.

After swallow:

Let victim drink water (no more than 2 cups). Do not vomit (risk of perforation). In case of nausea call doctor.

After inhalation:

Transfer affected person on fresh air.

5 – FIREFIGHTING MEASURES

Suitable extinguishing agents:

For extinguishing use these sorts of fire extinguishers carbon dioxide, foam or dry chemical according to materials stored in immediate proximity.

Specific hazards:

Flammable material. Burning can release dangerous fumes and vapours.

Additional information:

Avoid contamination of system of surface or underground waters by water used for fire extinguishing.

6 – ACCIDENTAL RELEASE MEASURES

Specific protective measures:

No specific requirements.

Environmental protective measures:

Prevent entering canalization system.

Cleaning methods:

Remove by absorbent material. Send for disposal. Clean affected place with water and detergent.

7 – HANDLING AND STORAGE

Handling:

Protect from light and moisture. Keep away from heat and sources of ignition.

Storage:

Store in tightly closed container. Store at 15-25°C.

8 – EXPOSURE CONTROLS / PERSONAL

PROTECTION Protection of respiratory system:

Needed if vapours / aerosols are creating.

Eyes protection:

Use safety glasses.

Additional information in section 11 – Toxicological information

9 – PHYSICAL AND CHEMICAL PROPERTIES

Basic information:

State:	liquid
Colour:	yellowish
Odour:	alcoholic

10 – STABILITY AND REACTIVITY

Conditions, which must be avoided:

Heating. Vapours with air can create explosive mixture.

Materials, which must be avoided:

Metals. By contact with metals hydrogen is releasing

Hazardous decomposition products:

There is no information available.

11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 (orally, rat): >5000 mg/kg

Symptoms: irritation of mucous membrane, cough, shortness of breath, nausea, vomiting

Additional toxicological data:

- By creating fumes / aerosols: Inhalation can lead to creation of edema in respiratory system.
- By contact with skin: can cause burns.
- By contact with eyes: cause burning of eyes. Risk of serious eye damage. Risk of blindness

Additional data:

- Other dangerous properties cannot be excluded.
- Product must be handled with care usual for chemicals.

12 – ECOLOGICAL INFORMATION

Ecotoxicological effects:

There is no information available.

Additional ecological data:

There is no reason to expect ecological problems, if product is handled and used with proper caution and attention.

13 – DISPOSAL INFORMATION

Product:

Product disposal must be made according to official regulations.

Packaging:

Packaging disposal must be made according to official regulations.

14 – TRANSPORT INFORMATION

Product is not classified as dangerous according to transport regulations.

15 – REGULATORY INFORMATION

This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, in CLP Regulation (EC) No 1272/2008 and in Annex II of Commission Regulation (EU) No 2015/830

Working restrictions:

Take into consideration directive 94/33/ES about protection of young people at work.

16 – OTHER INFORMATION

Fulltext of H data stated in section 2 a 3:

H226	Flammable liquid and vapour
H315	Causes skin irritation
H318	Causes serious eye damage
H302	Harmful if swallowed
H290	May be corrosive to metals
H225	Highly flammable liquid and vapour
H335	May cause respiratory irritation
H314	Causes severe skin burns and eye damage

Fulltext of R sentences stated in section 2 a 3:

R34	Causes burns
R37	Irritating to respiratory system
R11	Highly flammable

*Information stated in this safety data sheet is based on current state of our knowledge.
It characterises product with consideration on adequate safety measures. It does not represent warranty of material properties.*