

SAFETY DATA SHEET

1 – IDENTIFICATION OF SUBSTANCE / AGENT AND COMPANY / FIRM

Identification of substance / agent:

Name: DMACA reagent
Product code: 3009
Use: Rapid test of proof of test indole.

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 the substance or mixture:

Classification (ES 1272/2008 Directive):

Flamable liquid and vapours, cat. 3, H226
Skin irritability, cat. 2, H315
Eye damage, cat. 1, H318
Harmfull 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

Safety precautions:

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%
6203-18-5	228-267-0		4-(dimethylamino)cinnamaldehyd	H315, H319, H335	3%

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%
6203-18-5	228-267-0		4-(dimethylamino)cinnamaldehyd	H315, H319, H335	3%

Full text of H-Statements and R-phrases mentioned in this section, see Section 16

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:

Do not inhale vapours / spray.

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. Keep away from heat and sources of ignition.

Storage:

Store at 25 ° C.

8 – EXPOSURE CONTROLS / PERSONAL

PROTECTION Protection of respiratory system:

Necessary when vapours / aerosols are formed.

Eyes protection:

Use safety glasses.

Additional information in section 11 – Toxicological information

9 – PHYSICAL AND CHEMICAL PROPERTIES

Basic information:

State:	liquid
Colour:	light beige
Odour:	alcoholic

10 – STABILITY AND REACTIVITY

Conditions, which must be avoided:

Heating. Fumes can combine with air to form an explosive mixture .

Materials, which must be avoided:

Metals. Contact with metals release hydrogen.

Hazardous decomposition products:

There is no information available.

11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

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

Symptoms: Irritations of mucous membranes, coughing, shortness of breath, nausea, vomiting.

Additional toxicological data:

By creating fumes / aerosols: Inhalation can lead to creation of oedema in respiratory system.

Skin contact can cause burns.

Eye Contact: Causes eye burns. Risk of serious damage to eyes, risk of blindness

Additional data:

There is no need to expect any toxic effects, if product is properly handled. Handle product with care usual for work with 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. Do not allow to enter waters, waste water, or soil

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

Operating limits:

Take note of Directive 94/33/EC on the protection of young people at work.

16 – OTHER INFORMATION

Full text of H- data stated in this 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

H319 Causes serious eye irritation

Full text of R-phrases stated see in sec. 2 a 3:

R34 Causes burns

R37 Irritating to respiratory system

R11 Highly flammable

R36/37/38 Irritating to eyes, respiratory system and skin

*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.*