

KIT

1 INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product identifier

Product Name: IGFBP-1 ELISA

Catalog #: KAPME01

Kit Components: Microtiterplate
Calibrators
Dilution Buffer
Controls
Biotin Conjugate
Streptavidin HRP
Washing Buffer
TMB-Substrate Solution
Stopping Solution

1.2 Intended Use

For In Vitro Diagnostic Use.

1.3 Company

DIAsource ImmunoAssays S.A.
Rue du Bosquet, 2
B-1348 Louvain-la-Neuve
Belgium
Tel. Nr. +32 (0)10/84.99.11
E-mail: tech.support@diasource.be

1.4 Emergency telephone

DIAsource (only office hours): +32 (0)10/84.99.23
Centre Anti-Poisons (BE) 070 245 245
Please refer to your local Anti-Poison Center!

BUFFERING AGENTS

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008

Not classified

2.1.2 Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

2.1.3 Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH phrases :

EUH210 - Safety data sheet available on request

EUH208 - Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (55965-84-9). May produce an allergic reaction

2.3 Other hazards

No additional information available.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
sucrose	(CAS No) 57-50-1 (EC no) 200-334-9	< 7	Not classified	Not classified
sulphuric acid ... %	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8	<= 2	C; R35	Skin Corr. 1A, H314
albumins, blood serum	(CAS No) 9048-46-8 (EC no) 232-936-2	<= 1	Xn; R22	Acute Tox. 4 (Oral), H302
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	(CAS No) 55965-84-9 (EC index no) 613-167-00-5	< 0,0015	T; R23/24/25 C; R34 R43 N; R50/53	Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Name	Specific concentration limits
sulphuric acid ... %	(5 =< C < 15) Xi;R36/38 (C >= 15) C;R35
	(5 =< C < 15) Skin Irrit. 2, H315 (5 =< C < 15) Eye Irrit. 2, H319 (C >= 15) Skin Corr. 1A, H314
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	(C >= 0,0015) R43 (0,06 =< C < 0,6) Xi;R36/38 (C >= 0,6) C;R34
	(C >= 0,0015) Skin Sens. 1, H317 (0,06 =< C < 0,6) Skin Irrit. 2, H315 (0,06 =< C < 0,6) Eye Irrit. 2, H319 (C >= 0,6) Skin Corr. 1B, H314

Full text of R- and H-phrases: see section 16

4 FIRST AID MEASURES

4.1 Description of first aid measures

General	If you feel unwell, seek medical advice (show the label where possible)
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Rinse mouth. Give 2-3 glasses of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries :

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Making extinguishing agents environment-friendly. extinguishing powder. Carbon dioxide. Foam. Water spray. Sand
Unsuitable extinguishing media	Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Fire hazard: None known.

5.3 Advice for fire fighters

Firefighting instructions	Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

General measures : Avoid contact with skin.

6.1.1 For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning-up

Methods for cleaning up :

Take up small spills with dry chemical absorbent. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling : Avoid contact with skin.

Hygiene measures : When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store in dry, cool, well-ventilated area. Keep container closed when not in use.

Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.

7.3 Specific Use(s)

No additional information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Sucrose (57-50-1)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	20 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³

sulphuric acid ... % (57-50-1)

EU	IOELV TWA (mg/m ³)	0,05 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	0,05 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	0,05 mg/m ³
United Kingdom	Remark (WEL)	The mist is defined as the thoracic fraction

8.2 Exposure controls

Hand protection	Wear suitable gloves. Nitrile rubber. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye Protection	Not required
Skin and body protection	Not required
Respiratory Protection	Not required

9 PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

Physical state : Liquid

Colour : No data available

Odour : No data available

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : No data available

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2 Other information

No additional information available.

10 STABILITY AND REACTIVITY
10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to Avoid

No conditions to avoid known.

10.5 Incompatible materials

No incompatible materials known.

10.6 Hazardous Decomposition Products

No hazardous decomposition products known.

11 TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage / eye irritation	Based on available data, the classification criteria are not met
Skin/ Respiratory sensitization	Not classified
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Not classified
Reproductive Toxicity	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Based on available data, the classification criteria are not met
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met

12 ECOLOGICAL INFORMATION**12.1 Toxicity**

No additional information available

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulation potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment methods : This material and its container must be disposed of in a safe way. Do not empty into drains.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

13.2 Additional Information

Radioactive material is subject to the regulations of each country .
European waste catalogue 18 01 07 - chemicals other than those mentioned in 18 01 06.

14 TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND

14.1 UN number

Not regulated for transport.

14.2 UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3 Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4 Packing group**Packing group (ADR) :** Not applicable**Packing group (IMDG) :** Not applicable**Packing group (IATA) :** Not applicable**Packing group (ADN) :** Not applicable**Packing group (RID) :** Not applicable**14.5 Environmental hazards****Dangerous for the environment :** No**Marine pollutant :** No**Other information :** No supplementary information available**14.6 Special precautions for user****14.6.1 Overland transport****14.6.2 Transport by sea****14.6.3 Air transport****14.6.4 Inland waterway transport**

Not subject to ADN : No

14.6.5 Rail transport**Carriage prohibited (RID) :** No**15 REGULATORY INFORMATION****15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture****15.1.1 EU-Regulations**

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

15.1.2 National regulations

No additional information available

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier.

16 OTHER INFORMATION

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Dermal) Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation) Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral) Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1
Skin Corr. 1A Skin corrosion/irritation, Category 1A
Skin Corr. 1B Skin corrosion/irritation, Category 1B
Skin Sens. 1 Sensitisation — Skin, category 1
H301 Toxic if swallowed
H302 Harmful if swallowed
H311 Toxic in contact with skin
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H331 Toxic if inhaled
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
R22 Harmful if swallowed
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
R34 Causes burns
R35 Causes severe burns
R43 May cause sensitisation by skin contact
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
C Corrosive
N Dangerous for the environment
T Toxic
Xn Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product .

CONTROLS

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

The mixture is not classified as dangerous in the terms of the directive 1999/45/EC.

2.2 Label elements

Not applicable

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

---	---
Registration number	-
Index	-
EINECS, ELINCS, NLP	-
CAS	-
Content %	
Classification according to Directive 67/548/EEC	
Classification according to Regulation (EC) 1272/2008 (CLP)	

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all

notes that may be given here for the named classification have been taken into account.

4 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Not required

Skin Contact Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye Contact Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Adapt to the nature and extent of fire. Water jet spray/foam/CO ₂ /dry extinguisher
Unsuitable extinguishing media	None known

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

- Oxides of carbon
- Oxides of nitrogen
- Toxic gases

5.3 Advice for fire fighters

In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary
Dispose of contaminated extinction water according to official regulations

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

Avoid contact with eyes or skin.
If applicable, caution - risk of slipping.

6.2 Environmental Precautions

Prevent from entering drainage system.
Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods and material for containment and cleaning-up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.
Flush residue using copious water.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

7 HANDLING AND STORAGE

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feeding stuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Protect from frost.

7.3 Specific Use(s)

No information available at present.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feeding stuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles (EN 166) withside protection, with danger of projections.

Skin protection - Hand protection:

Normally not necessary.

With long-term contact: If applicable, Rubber gloves (EN 374).

Minimum layer thickness in mm: 0,5

Permeation time (penetration time) in minutes: 480

The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Skin protection - Other:

Usual protective working garments

Respiratory protection: Normally not necessary.

Thermal hazards: Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid

Colour: According to specification

Odour: Characteristic

Odour threshold: Not determined

pH-value: Not determined

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 100 °C

Flash point: n.a.

Evaporation rate: Not determined

Flammability (solid, gas): n.a.

Lower explosive limit: n.a.

Upper explosive limit: n.a.

Vapour pressure: Not determined

Vapour density (air = 1): Not determined

Density: Not determined

Bulk density: n.a.

Solubility(ies): Not determined

Water solubility: Soluble

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: Not determined
Explosive properties: Product is not explosive.
Oxidising properties: No

9.2 Other information

Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined
Solvents content: Not determined

10 STABILITY AND REACTIVITY

10.1 Reactivity

Not to be expected.

10.2 Chemical Stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to Avoid

None known.

10.5 Incompatible materials

See also section 7.
None known.

10.6 Hazardous Decomposition Products

See also section 5.2
No decomposition when used as directed.

11 TOXICOLOGICAL INFORMATION

Possibly more information on health effects, see Section 2.1 (classification).

Acute toxicity, by oral route: n.d.a.
Acute toxicity, by dermal route: n.d.a.
Acute toxicity, by inhalation: n.d.a.
Skin corrosion/irritation: n.d.a.
Serious eye damage/irritation: n.d.a.
Respiratory or skin sensitisation: n.d.a.
Germ cell mutagenicity: n.d.a.
Carcinogenicity: n.d.a.
Reproductive toxicity: n.d.a.
Specific target organ toxicity -single exposure (STOT-SE): n.d.a.
Specific target organ toxicity -repeated exposure (STOTRE): n.d.a.

Aspiration hazard: n.d.a.
Respiratory tract irritation: n.d.a.
Repeated dose toxicity: n.d.a.
Symptoms: n.d.a.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

n.d.a.

12.2 Persistence and degradability

n.d.a.

12.3 Bioaccumulation potential

n.d.a.

12.4 Mobility in soil

n.d.a.

12.5 Results of PBT and vPvB assessment

n.d.a.

12.6 Other adverse effects

n.d.a.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

For the substance / mixture / residual amounts :

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

18 01 07 chemicals other than those mentioned in 18 01 06.

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

For contaminated packing material:

Pay attention to local and national official regulations

Empty container completely.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Uncontaminated packaging can be recycled.

14 TRANSPORT INFORMATION

General statements

UN number: n.a.

Transport by road/by rail (ADR/RID)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

LQ (ADR 2015): n.a.

LQ (ADR 2009): n.a.

Environmental hazards: Not applicable

Tunnel restriction code:

Transport by sea (IMDG-code)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Marine Pollutant: n.a.

Environmental hazards: Not applicable

Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Environmental hazards: Not applicable

Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Non-dangerous material according to Transport Regulations.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture

For classification and labelling see Section 2.

Observe restrictions:

Directive 2010/75/EU (VOC): 0 %

15.2 Chemical Safety Assessment

A chemical safety assessment is not provided for mixtures.

16 OTHER INFORMATION

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Not applicable

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

MSDS established : 2015-04-21

Revision number : 2