



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ISOFOAM RM DP6329W

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Chemical intermediate
Recommended restrictions on use : Reserved for industrial and professional use.

 **IMCD**
Distributed by IMCD Group
sds@imcdgroup.com
24 hour Emergency Telephone number
UK customers +44 1865 407333
Non-UK customers +44 3700 492795

1.3 Details of the supplier of the safety data sheet

Company: Chemtura Manufacturing UK Limited
Tenax Road, Trafford Park
Manchester
United Kingdom
M17 1WT

Manufacturer
Baxenden Chemicals Ltd, a Chemtura Company
Paragon Works
Baxenden, Nr Accrington
Lancashire BB5 2SL
United Kingdom

Prepared by: msdsrequest@chemtura.com

Further information for the safety data sheet :
msdsrequest@chemtura.com

1.4 Emergency telephone number

Emergency telephone number: +44 (0) 1235 239 670 (NCEC)
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

2. Hazards identification

2.1 Classification of the substance or mixture



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Harmful

R22: Harmful if swallowed.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements

:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

Do not handle until all safety precautions have been read and understood.

3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Glycerol, propoxylated	25791-96-2	Xn; R22	Acute Tox. 4; H302	>= 10 - < 20
tris(2-chloro-1-methylethyl) phosphate	13674-84-5 237-158-7	Xn; R22	Acute Tox. 4; H302	>= 10 - < 20
hexadecyldimethylamine	112-69-6 203-997-2	Xn; R22 C; R35 N; R50	Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400	< 1

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

General advice

: Move out of dangerous area.
Consult a physician.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

Show this safety data sheet to the doctor in attendance.

- If inhaled : Move to fresh air.
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water mist
Dry powder
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry sand

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Full protective flameproof clothing

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding of the given occupational exposure limits (see section 8).
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s) : Raw material for industry



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
glycerol	56-81-5	TWA	10 mg/m ³	2005-04-06	GB EH40

8.2 Exposure controls

Engineering measures

Effective exhaust ventilation system

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection : Polyvinyl alcohol or nitrile- butyl-rubber gloves
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Try to prevent the material from entering drains or water courses.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: clear, or, light yellow
Odour	: characteristic
Odour Threshold	: No information available.
Flash point	: no data available
Ignition temperature	: No information available.
Lower explosion limit	: No information available.
Upper explosion limit	: No information available.
Flammability (solid, gas)	: No information available.
Autoignition temperature	: No information available.
pH	: No information available.
Vapour pressure	: No information available.
Density	: No information available.
Relative density	: 1.05 - 1.10 at 20 °C
Water solubility	: No information available.
Partition coefficient: n- octanol/water	: No information available.
Solubility in other solvents	: No information available.
Viscosity, dynamic	: 700 - 800 mPa.s at 20 °C
Relative vapour density	: No information available.
Evaporation rate	: No information available.

9.2 Other information

Oxidising potential : Note: No information available.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Conditions to avoid : Contamination
Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents
Strong acids

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon oxides
Hydrogen halides
nitrogen oxides (NO_x)
Oxides of phosphorus

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Remarks: Not classified due to lack of data.

Acute oral toxicity

Glycerol, propoxylated : LD50: 1,000 - 2,000 mg/kg
Species: rat

tris(2-chloro-1-methylethyl) phosphate : LD50: 1,546 mg/kg
Species: rat

hexadecyldimethylamine : LD50: 2,000 mg/kg
Species: rat

Acute inhalation toxicity : Remarks: Not classified due to lack of data.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

Acute dermal toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity
Glycerol, propoxylated : LD50: > 2,000 mg/kg
Species: rabbit

tris(2-chloro-1-methylethyl)
phosphate : LD50: > 2,000 mg/kg
Species: rabbit

Skin corrosion/irritation

Skin irritation : Remarks: Not classified due to lack of data.

Skin irritation
Glycerol, propoxylated : Result: No skin irritation

tris(2-chloro-1-methylethyl)
phosphate : Species: rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Eye irritation : Remarks: Not classified due to lack of data.

Eye irritation
Glycerol, propoxylated : Result: No eye irritation

tris(2-chloro-1-methylethyl)
phosphate : Species: rabbit
Result: No eye irritation

Respiratory or skin sensitization

Sensitisation : Remarks: Not classified due to lack of data.

Sensitisation
tris(2-chloro-1-methylethyl)
phosphate : Species: guinea pig
Classification: Did not cause sensitization on laboratory
animals.

Germ cell mutagenicity
tris(2-chloro-1-methylethyl)
phosphate : in vitro assay
Result: negative

Genotoxicity in vivo
tris(2-chloro-1-methylethyl) : In vivo micronucleus test



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

phosphate Species: mouse
Result: negative

Mutagenicity Assessment

Remarks : Not classified due to lack of data.

Carcinogenicity Assessment

Remarks : Not classified due to lack of data.

Reproductive toxicity Assessment

Remarks : Not classified due to lack of data.

Target Organ Systemic Toxicant - Single exposure

: Remarks: Not classified due to lack of data.

Target Organ Systemic Toxicant - Repeated exposure

: Remarks: Not classified due to lack of data.

Aspiration hazard

Aspiration toxicity : No aspiration toxicity classification

Toxicology Assessment

Further information : no data available

12. Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
no data available

Toxicity to fish
tris(2-chloro-1-methylethyl) phosphate : LC50: 51 mg/l
Exposure time: 96 h
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
tris(2-chloro-1-methylethyl) : NOEC: 32 mg/l



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

phosphate

Exposure time: 21 d
Species: Daphnia magna (Water flea)

12.2 Persistence and degradability

Biodegradability : Result: no data available

Biodegradability
tris(2-chloro-1-methylethyl)
phosphate : Result: According to the results of tests of biodegradability this
product is not readily biodegradable.
14 %
Method: OECD Test Guideline 301

12.3 Bioaccumulative potential

Bioaccumulation : Remarks:
no data available

12.4 Mobility in soil

Mobility : Remarks:
no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Additional ecological
information : The product itself has not been tested.

13. Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Dispose of wastes in an approved waste disposal facility.
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

14. Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

15. Regulatory information

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

Candidate List of Substances of Very High Concern for Authorisation : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Water contaminating class (Germany) : nwg not water endangering

Notification status

US.TSCA : On TSCA Inventory
DSL : All components of this product are on the Canadian DSL list.
AICS : On the inventory, or in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory
ENCS : Not in compliance with the inventory
KECI : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

No information available.



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R22 Harmful if swallowed.
R35 Causes severe burns.
R50 Very toxic to aquatic organisms.

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Further information

Carechem24 International Worldwide Coverage - Chemtura Corporation

Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285
	Vietnam	+65 3158 1255
	India	+65 3158 1198
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Bangladesh	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	All other countries	+44 (0) 1235 239 670
<u>America</u>	United States / Canada	001866 928 0789
<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
	Mexico	+52 555 004 8763



SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ISOFOAM RM DP6329W

Version 1.0

Revision Date 19.11.2012

Print Date 21.01.2014

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.