

acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **DURAFLUSH**

Identification of the substance (2-methoxymethylethoxy)propanol DIPROPYLEENGLY-

COLMONOMETHYLETHER

EC number 252-104-2 CAS number 34590-94-8

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

Relevant identified uses

Professional use
Organic solvents

1.3 Details of the supplier of the safety data sheet

POLYCHROMAL B.V. PO Box: 8043 1802 KA Alkmaar

Telephone: +31 72 5670799 Telefax: +31 72 5624095 e-mail: products@polychrom

e-mail: products@polychromal.nl Website: www.polychromal.com

e-mail (competent person) products@polychromal.nl

1.4 Emergency telephone number

Emergency information service +31 72 5670799

This number is only available during the following office hours: Mon-

Fri 08:00 - 17:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (acc. to GB CLP)

This substance does not meet the criteria for classification.

2.2 Label elements

Labelling (acc. to GB CLP)

Not required.

. tot roquirou

2.3 Other hazards

This material is combustible, but will not ignite readily.

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance (2-methoxymethylethoxy)propanol

United Kingdom: en Page: 1 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0 Revision: 2023-11-13 Replaces version of: 2022-01-17 (6)

Identifiers

 CAS No
 34590-94-8

 EC No
 252-104-2

 Purity
 >99.0%

 Molecular formula
 C7H16O3

 Molar mass
 148.2 9/mol

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion

Rinse mouth with water (only if the person is conscious). Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray; Alcohol resistant foam; Dry extinguishing powder; Carbon dioxide (CO2); Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO2).

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (SCBA). Standard protective clothing for firefighters.

United Kingdom: en Page: 2 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0 Revision: 2023-11-13 Replaces version of: 2022-01-17 (6)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

See section 1.2.

United Kingdom: en Page: 3 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occup	Occupational exposure limit values (Workplace Exposure Limits)								
Cou ntry	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Nota- tion	Source
GB	(2-methoxymethyleth- oxy)propanol	34590-94-8	WEL	50	308			Н	EH40/2005

Notation

H absorbed through the skin

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless

otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted

average (unless otherwise specified)

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs and other threshold levels						
Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time		
DNEL	308 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects		
DNEL	283 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects		
DNEL	37.2 mg/m ³	human, inhalatory	consumer (private households)	chronic - systemic effects		
DNEL	121 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects		
DNEL	36 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects		

Relevant PNECs and other threshold levels						
Endpoint	Threshold level	Organism	Environmental compart- ment	Exposure time		
PNEC	190 ^{mg} / _l	aquatic organisms	water	intermittent release		
PNEC	19 ^{mg} / _I	aquatic organisms	freshwater	short-term (single instance)		
PNEC	1.9 ^{mg} / _l	aquatic organisms	marine water	short-term (single instance)		
PNEC	4,168 ^{mg} / _l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)		
PNEC	70.2 ^{mg} / _{kg}	aquatic organisms	freshwater sediment	short-term (single instance)		
PNEC	7.02 ^{mg} / _{kg}	aquatic organisms	marine sediment	short-term (single instance)		
PNEC	2.74 ^{mg} / _{kg}	terrestrial organisms	soil	short-term (single instance)		

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

United Kingdom: en Page: 4 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection

Skin protection



Chemical protective clothing.

Hand protection



Wear suitable gloves. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The selection of the suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >10 minutes (permeation: level 1).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: A (against organic gases and vapours with a boiling point of > 65 °C, colour code: Brown).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	like ether
Melting point/freezing point	≥83 - ≤-80 °C
Boiling point or initial boiling point and boiling range	189.6 °C at 760 mmHg
Evaporation rate	not determined
Flammability	non-combustible
Lower and upper explosion limit	LEL: 1.1 vol% / UEL: 14 vol%
Flash point	75 °C at 1,013 mbar
Auto-ignition temperature	207 °C at 1,013 mbar (auto-ignition temperature (liquids and gases))
Decomposition temperature	no data available
pH (value)	≥5-≤9
Kinematic viscosity	4.55 mm²/s at 20 °C

United Kingdom: en Page: 5 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

Solubility

Water solubility	1 ^g / _l at 25 °C
------------------	--

Partition coefficient n-octanol/water (log value)	0.004 (25 °C)
---	---------------

Vapour pressure	10 mmHg at 75.1 °C
-----------------	--------------------

Density and/or relative density

Density	0.95 ^g / _{cm³} at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)
--------------------------	-----------------------

9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant	
Other safety characteristics		
Surface tension	68.7 ^{mN} / _m (20 °C)	

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidisers.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification acc. to GHS

This substance does not meet the criteria for classification.

United Kingdom: en Page: 6 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity

Exposure route	Endpoint	Value	Species
oral	LD50	>5,000 ^{mg} / _{kg}	rat
dermal	LD50	9,510 ^{mg} / _{kg}	rabbit

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Endpoint	Value	Species	Exposure time
LC50	>1,000 ^{mg} / _I	fish	96 h
ErC50	>969 ^{mg} / _I	algae	72 h
EC50	>969 ^{mg} / _I	algae	72 h

Aquatic toxicity (chronic)

Endpoint	Value	Species	Exposure time
LC50	>1,000 ^{mg} / _I	aquatic invertebrates	24 h

12.2 Persistence and degradability

Biodegradation

The substance is readily biodegradable.

United Kingdom: en Page: 7 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

Process of degradability		
Process	Degradation rate	Time
oxygen depletion	75 %	10 d
DOC removal	96 %	28 d
carbon dioxide generation	76 %	28 d

12.3 Bioaccumulative potential

n-octanol/water (log KOW) 0.004 (25 °C)

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Endocrine disrupting properties

Information on this property is not available.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number not subject to transport regulations

14.2 UN proper shipping name not relevant

14.3 Transport hazard class(es) none

14.4 Packing group not assigned

14.5 Environmental hazards non-environmentally hazardous acc. to the dangerous goods regu-

lations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

United Kingdom: en Page: 8 / 11

Polychromal

Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0 Replaces version of: 2022-01-17 (6) Revision: 2023-11-13

Additional information for each of the UN Model Regulations

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

Water Framework Directive (WFD)

Not listed.

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

Not listed

Regulation on persistent organic pollutants (POP)

Not listed.

National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list Not listed.

Restrictions according to GB REACH, Annex 17

Not listed.

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Complete revision of the safety data sheet.

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)

United Kingdom: en Page: 9 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

Abbr.	Descriptions of used abbreviations
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
GB CLP	The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LEL	Lower explosion limit (LEL)
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
TWA	Time-weighted average
UEL	Upper explosion limit (UEL)
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended). GB mandatory classification and labelling.

United Kingdom: en Page: 10 / 11



acc. to Regulation (EC) No. 1907/2006 (REACH)

Transition document following GB exit from the EU

DURAFLUSH

Version number: 7.0
Replaces version of: 2022-01-17 (6)

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Disclaime

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. For this product it is not legally required to provide an SDS under Article 31 of the REACH Regulation, because the product is not classified as hazardous. This document is prepared as a voluntary and additional service to provide general safety information.

United Kingdom: en Page: 11 / 11