

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

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

1.1 Product identifier

PERMA-PRIMER-CLEAR (PRIM-015)

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

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Guard KG

Street : Geisbergweg 10 b

Postal code/city : D - 65205 Wiesbaden

Telephone : +49 6122 70463-16

Telefax : +49 6122 70463-29

Information contact : info@graffiti-guard.net

1.4 Emergency telephone number

Assistance in German: Telephone: + 49 (0) 6122 7046316 (Office hours Monday-Friday 9:00 to 15:00). Outside office hours: call a Poison Center or doctor/physician.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

None

2.2 Label elements

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

Special rules for supplemental label elements for certain mixtures

EUH208

Contains A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.

2.3 Other hazards

None

SECTION 3: Composition/ information on ingredients

3.2 Mixtures

Hazardous ingredients

None

SECTION 4: First aid measures

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

4.1 Description of first aid measures

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Safety Data Sheet

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



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Alcohol resistant foam. Carbon dioxide (CO₂). Extinguishing powder. Water mist Unsuitable extinguishing media Strong water jet.

5.2 Special hazards arising from the substance or mixture

Use suitable breathing apparatus. Hazardous combustion products

5.3 Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale the vapour. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers). Clear spills immediately. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothes. Do not breathe gas/vapour/aerosol. When using do not eat, drink, smoke, sniff. See chapter 8 of the safety data sheet (Personal protection equipment) Never use pressure to empty container. Keep/Store only in original container. Comply with the health and safety at work laws. Do not allow to enter ground-water, surface water or drains, even not in small quantities.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place. Store between +5 and 35 °C in a dry, well ventilated place

Safety Data Sheet

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



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

away from sources of heat and direct sunlight. When using do not smoke. Only allow access to authorised staff.
Prevent leaks and prevent soil / water pollution caused by leaks.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/ DMEL and PNEC values

DNEL/DMEL

Limit value type:	DNEL/DMEL (DNEL Consumer, Local) (PROPANE-1,2-DIOL ; CAS No. : 57-55-6)
Exposure route:	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value:	10 mg/m ³
Limit value type:	DNEL/DMEL (DNEL Consumer, Systemic) (PROPANE-1,2-DIOL ; CAS No. : 57-55-6)
Exposure route:	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value:	50 mg/m ³
Limit value type:	DNEL/DMEL (Worker, Local) (PROPANE-1,2-DIOL ; CAS No. : 57-55-6)
Exposure route:	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value:	10 mg/m ³
Limit value type:	DNEL/DMEL (Worker, Systemic) (PROPANE-1,2-DIOL ; CAS No. : 57-55-6)
Exposure route:	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value:	168 mg/m ³
Limit value type:	DNEL/DMEL (DNEL Consumer, Systemic) (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Exposure route:	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value:	14,5 mg/m ³
Limit value type:	DNEL/DMEL (DNEL Consumer, Systemic) (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Exposure route:	Dermal
Exposure frequency :	Long-term (repeated)
Limit value:	8,33 mg/kg
Safety factor :	8 h
Limit value type:	DNEL/DMEL (DNEL Consumer, Systemic) (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Exposure route:	Oral
Exposure frequency :	Long-term (repeated)
Limit value:	8,33 mg/kg
Safety factor :	8 h
Limit value type:	DNEL/DMEL (Worker, Systemic) (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Exposure route:	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value:	49 mg/m ³
Limit value type:	DNEL/DMEL (Worker, Systemic) (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Exposure route:	Dermal
Exposure frequency :	Long-term (repeated)
Limit value:	13,9 mg/kg

Safety Data Sheet

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



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

Safety factor :	8 h
PNEC	
Limit value type:	PNEC aquatic, freshwater (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Limit value:	0,015 mg/l
Limit value type:	PNEC aquatic, intermittent release (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Limit value:	0,15 mg/l
Limit value type:	PNEC aquatic, marine water (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Limit value:	0,0015 mg/l
Limit value type:	PNEC sediment, freshwater (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Limit value:	0,78 mg/kg
Limit value type:	PNEC sediment, marine water (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Limit value:	0,078 mg/kg
Limit value type:	PNEC soil, freshwater (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Limit value:	0,147 mg/kg
Limit value type:	PNEC sewage treatment plant (STP) (ISOBUTYRIC ACID, MONOESTER WITH 2,2,4-TRIMETHYLPENTANE-1,3-D ; CAS No. : 25265-77-4)
Limit value:	7,5 mg/l

8.2 Exposure controls

Appropriate engineering controls

Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Personal protection equipment

Eye / face protection

Suitable eye protection

Use tightly fitting safety glasses.

Skin protection

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Disposable gloves. Use skin cleaning and skin care products after using the gloves. Check protective gloves before each use concerning their normal condition.

Suitable gloves type : Disposable gloves.

Suitable material : NR (natural rubber, natural latex)

Required properties : liquid-tight.

Breakthrough time (maximum wearing time) : > 60 min

Thickness of the glove material : > 0,5 mm

Recommended glove articles : DIN EN 374

Body protection

Suitable protective clothing : Overall.

Recommended material : Natural fibres (e.g. cotton).

Respiratory protection

Full-face mask or mouthpiece with particulate filter: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 15 times the exposure limit. P3 filter: up to a max. of

8.3 Additional information

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Safety relevant basis data

Physical state :		liquid	
Melting point / melting range :	(1013 hPa)	No data available	
Boiling temperature / boiling range :	(1013 hPa)	No data available	
Decomposition temperature :	(1013 hPa)	No data available	
Flash point :		No data available	
Ignition temperature :		No data available	
Relative density :	(20 °C)	1,28 - 1,32	(Water = 1)
Solvent separation test :	(20 °C)	No data available	
Fat solubility :	(20 °C)	No data available.	
PH value :		8 - 9	
log P O/W :		No data available	
Odour threshold :		No data available	
Evaporation rate :		No data available	
Colour :		white	
Odour :		characteristic	
Density :	(20 °C)	1,28 - 1,32	g/cm ³
Viscosity :	(20 °C)	110 - 170	mPa.s NEN-ISO 2884
Explosive properties :		No data available.	

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

Acute oral toxicity

Parameter : LD50 (2-AMINO-2-METHYLPROPANOL ; CAS No. : 124-68-5)
Exposure route : Oral
Species : Rabbit
Effective dose : 1000 mg/kg
Parameter : LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)
Exposure route : Oral
Species : Rat
Effective dose : 254 mg/kg

Acute dermal toxicity

Parameter : LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)
Exposure route : Dermal
Species : Rat
Effective dose : ca. 1600 mg/kg

Acute inhalation toxicity

Parameter : LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)
Exposure route : Inhalation
Species : Rat
Effective dose : > 588 mg/kg

SECTION 12: Ecological information

Avoid release to the environment. Refer to special instructions / safety data sheet.

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Further ecological information

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive and is not classified as dangerous for the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Avoid release to the environment. Refer to special instructions / safety data sheet. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste. Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

SECTION 14: Transport information

14.1 UN number

Safety Data Sheet

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



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

EU legislation

EU limit value for this product (cat. A/j): 140 g/l (2010).

Other regulations (EU)

Labelling for contents according to regulation (EC) No. 648/2004

Potassium sorbate < 5 %

A mixture of : 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) < 5 %

National regulations

GEEN / ZEER WEINIG OPLOSMIDDEL. VOLDOET VOOR PROFESSIONEEL GEBRUIK BINNEN AAN ARBO. Vos gehalte Arbo Nederland: Groep A: < 100 gram VOS per liter.

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Special rules for supplemental label elements for certain mixtures · 03. Hazardous ingredients

16.2 Abbreviations and acronyms

a.i. = Active ingredient

ACGIH = American Conference of Governmental Industrial Hygienists (US)

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

AFFF = Aqueous Film Forming Foam

AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)

AOAC = AOAC International (formerly Association of Official Analytical Chemists)

aq. = Aqueous

ASTM = American Society of Testing and Materials (US)

atm = Atmosphere(s)

B.V. = Beperkt Vennootschap (Limited)

BCF = Bioconcentration Factor

bp = Boiling point at stated pressure

bw = Body weight

ca = (Circa) about

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)

CEFIC = European Chemical Industry Council (established 1972)

Safety Data Sheet

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



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

CIPAC = Collaborative International Pesticides Analytical Council
CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Conc = Concentration
cP = CentiPoise
cSt = Centistokes
d = Day(s)
DIN = Deutsches Institut für Normung e.V.
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC = European Community; European Commission
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EU = European Union
EWC = European Waste Catalogue
FAO = Food and Agriculture Organization (United Nations)
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)
h = Hour(s)
hPa = HectoPascal (unit of pressure)
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG Code = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
ISO = International Organization for Standardization
IUCLID = International Uniform Chemical Information Database
IUPAC = International Union of Pure and Applied Chemistry
kg = Kilogram
Kow = Distribution coefficient between n-octanol and water
kPa = KiloPascal (unit of pressure)
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
mg = Milligram
min = Minute(s)
ml = Milliliter
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)
mp = Melting point
MRL = Maximum Residue Limit
MSDS = Material Safety Data Sheet
n.o.s. = Not Otherwise Specified
NIOSH = National Institute for Occupational Safety and Health (US)
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
NOx = Oxides of Nitrogen
OECD = Organization for Economic Cooperation and Development
OEL = Occupational Exposure Limits
Pa = Pascal (unit of pressure)
PBT = Persistent, Bioaccumulative or Toxic
pH = -log₁₀ hydrogen ion concentration
pKa = -log₁₀ acid dissociation constant
PNEC = Previsible Non Effect Concentration

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : PERMA-PRIMER-CLEAR
Revision date : 29.01.2014
Date of print : 20-11-2014

Version (Revision) : 2.0.0 (1.0.0)

POPs = Persistent Organic Pollutants
ppb = Parts per billion
PPE = Personal Protection Equipment
ppm = Parts per million
ppt = Parts per trillion
PVC = Polyvinyl Chloride
QSAR = Quantitative Structure-Activity Relationship
REACH = Registration, Evaluation and Authorization of Chemicals (EU, see NCP)
SI = International System of Units
STEL = Short-Term Exposure Limit
tech. = Technical grade
TSCA = Toxic Substances Control Act (US)
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative
WHO = World Health Organization = OMS
y = Year(s)

16.3 Key literature references and sources for data

None

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

None

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
