

TraSys® 414

Version 2.0

Revision Date 30.03.2014

Ref. 130000024039

This SDS adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

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

1.1. Product identifier

Product name : TraSys® 414

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

Use of the Substance/Mixture : Release agent
Water-borne coatings

1.3. Details of the supplier of the safety data sheet

Company : Stoner Incorporated
1070 Robert Fulton Hwy.
Quarryville, PA 17566
United States

Telephone : 1-800-227-5538 (outside the U.S. 1-717-786-7355)

Telefax : 1-717-786-9088

E-mail address : timesaver@stonersolutions.com

1.4. Emergency telephone number

Emergency telephone number : 1-703-741-5970 CHEMTREC

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2. Label elements

Special labelling of certain substances and mixtures : Safety data sheet available for professional user on request.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.3. Other hazards

no data available

SECTION 3: Composition/information on ingredients

3.1. Substances

not applicable

SAFETY DATA SHEET according to Regulation (EC) No 1907/2006
and 453/2010

TraSys[®] 414

Version 2.0
Ref. 130000024039

3.2. Mixtures

Registration number	Classification according to Directive 67/548/EEC	Classification according to Regulation (EU) 1272/2008 (CLP)	Concentration
---------------------	--	---	---------------

Propane-1,2-diol (CAS-No.57-55-6) (EC-No.200-338-0)

			<= 5 %
--	--	--	--------

Dimethyl Silicone Hydroxy-Terminated (CAS-No.70131-67-8)

	Xi;R36	Eye Irrit. 2; H319	<= 2 %
--	--------	--------------------	--------

The above products are REACH compliant; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

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.

SECTION 4: First aid measures

4.1. Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.
- Skin contact : If on skin, rinse well with water. Wash contaminated clothing before re-use. Consult a physician if necessary.
- Eye contact : Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
- Ingestion : DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed

no data available

4.3. Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : The product itself does not burn.
- : Use extinguishing measures that are appropriate to local circumstances and the

TraSys® 414

Version 2.0
Ref. 130000024039

surrounding environment.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : In fire conditions, toxic decomposition products may be formed. (see also section 10)

5.3. Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment.

Further information : Evacuate personnel to safe areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Ventilate spill area.

6.2. Environmental precautions

Environmental precautions : Prevent material from entering sewers, waterways, or low areas.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Dike spill. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4. Reference to other sections

For personal protection see section 8., For disposal instructions see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

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

Other data : Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

7.3. Specific end use(s)

no data available

TraSys® 414

Version 2.0
Ref. 130000024039

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

If sub-section is empty then no values are applicable.

Components with workplace control parameters

Type Form of exposure	Control parameters	Update	Basis	Remarks
--------------------------	-----------------------	--------	-------	---------

Propane-1,2-diol (CAS-No. 57-55-6)

TWA Particulate.	10 mg/m3	2007	EH40 WEL	
TWA Total vapour and particulates.	474 mg/m3 150 ppm	2007	EH40 WEL	

8.2. Exposure controls

Engineering measures	: Use only with adequate ventilation.
Eye protection	: Safety goggles
Hand protection	: Material: Impervious gloves
Skin and body protection	: Preventive skin protection Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots.
Respiratory protection	: Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	: liquid
Colour	: white
Odour	: sweet, slight
pH	: neutral
Freezing point	: 0 °C
Boiling point	: 100 °C
Flash point	: does not flash
Vapour pressure	: 30 mm Hg at 25 °C

SAFETY DATA SHEET according to Regulation (EC) No 1907/2006
and 453/2010

TraSys® 414

Version 2.0
Ref. 130000024039

Relative density : 0.99
Water solubility : dispersible
Relative vapour density : > 1 , (Air = 1.0)

9.2. Other information

no data available

SECTION 10: Stability and reactivity

10.1. Reactivity : Stable under recommended storage conditions.
10.2. Chemical stability : Stable under normal conditions.
10.3. Possibility of hazardous reactions : Polymerization will not occur. Stable under recommended storage conditions.
10.4. Conditions to avoid : Decomposes on heating.
10.5. Incompatible materials : Incompatible with oxidizing agents.
10.6. Hazardous decomposition products : Silicon dioxide
Carbon oxides
nitrogen oxides (NOx)
metal oxides
Sulphur compounds
Methanol
Formaldehyde

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ALD / rat > : 11,000 mg/kg

- Propane-1,2-diol
LD50 / rat : 20,000 mg/kg
- Dimethyl Silicone Hydroxy-Terminated
LD50 / rat : 15,400 mg/kg

Acute inhalation toxicity

ALC - Approximate Lethal Concentration / 4 h rat male : > 0.50 mg/l

- Propane-1,2-diol
LC50 / 4 h rat : > 5 mg/l
- Dimethyl Silicone Hydroxy-Terminated

SAFETY DATA SHEET according to Regulation (EC) No 1907/2006
and 453/2010

TraSys® 414

Version 2.0
Ref. 130000024039

LC50 / 4 h rat : 15.3 mg/l

Acute dermal toxicity

- Propane-1,2-diol
LD50 / rabbit : 20,800 mg/kg
- Dimethyl Silicone Hydroxy-Terminated
LD50 / rabbit : > 2,000 mg/kg

Skin irritation

rabbit
Classification: Not classified as irritant
Result: No skin irritation

- Propane-1,2-diol
rabbit
Classification: Not classified as irritant
Result: slight irritation

Eye irritation

rabbit
Classification: Not classified as irritant
Result: No eye irritation

- Propane-1,2-diol
rabbit
Classification: Not classified as irritant
Result: slight irritation
- Dimethyl Silicone Hydroxy-Terminated
rabbit
irritant

Sensitisation

mouse Local lymph node test
Classification: Not a skin sensitizer.
Result: Did not cause sensitisation on laboratory animals.

- Propane-1,2-diol
human
Classification: Not a skin sensitizer.
Result: Patch test on human volunteers did not demonstrate sensitisation properties.

Mutagenicity assessment

- Propane-1,2-diol
Did not show mutagenic effects in animal experiments.
- Dimethyl Silicone Hydroxy-Terminated
no data available

TraSys® 414

Version 2.0
Ref. 130000024039

Carcinogenicity assessment

- Propane-1,2-diol
Did not show carcinogenic effects in animal experiments.
- Dimethyl Silicone Hydroxy-Terminated
no data available

Toxicity to reproduction assessment

- Propane-1,2-diol
No toxicity to reproduction
- Dimethyl Silicone Hydroxy-Terminated
no data available

Assessment teratogenicity

- Propane-1,2-diol
Did not show teratogenic effects in animal experiments.
- Dimethyl Silicone Hydroxy-Terminated
no data available

Further information

Information given is based on data on the components and the toxicology of similar products.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish

LC50 / 96 h / Oncorhynchus mykiss (rainbow trout): 180 mg/l

- Propane-1,2-diol
LC50 / 96 h / Oncorhynchus mykiss (rainbow trout): 51,600 mg/l

Toxicity to aquatic plants

EC50 / 72 h / Pseudokirchneriella subcapitata (green algae): > 1,000 mg/l

- Propane-1,2-diol
EC50 / 96 h / Pseudokirchneriella subcapitata (green algae): 19,000 mg/l

Toxicity to aquatic invertebrates

EC50 / 48 h / Daphnia magna (Water flea): > 1,000 mg/l
The toxicological data has been taken from products of similar composition.

- Propane-1,2-diol
LC50 / 48 h / Daphnia magna (Water flea): 43,500 mg/l

TraSys® 414

Version 2.0
Ref. 130000024039

12.2. Persistence and degradability

Biodegradability

- Propane-1,2-diol
/ 20 d
Biodegradation: 79 %
Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation

- Propane-1,2-diol
Bioconcentration factor (BCF): 1.4
Bioaccumulation is unlikely.

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

Additional ecological information

Information given is based on data on the components and the ecotoxicology of similar products.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : In accordance with local and national regulations.

Contaminated packaging : If recycling is not practicable, dispose of in compliance with local regulations.

SECTION 14: Transport information

ADR

- | | |
|--|----------------|
| 14.1. UN number: | not applicable |
| 14.2. UN proper shipping name: | not applicable |
| 14.3. Transport hazard class(es): | not applicable |
| 14.4. Packing group: | not applicable |
| 14.5. Environmental hazards: | none |
| 14.6. Special precautions for user: | |
| Not classified as dangerous in the meaning of transport regulations. | |

IATA_C

- | | |
|-----------------------------------|----------------|
| 14.1. UN number: | not applicable |
| 14.2. UN proper shipping name: | not applicable |
| 14.3. Transport hazard class(es): | not applicable |

SAFETY DATA SHEET according to Regulation (EC) No 1907/2006
and 453/2010

TraSys® 414

Version 2.0
Ref. 130000024039

- 14.4. Packing group: not applicable
14.5. Environmental hazards: none
14.6. Special precautions for user:
Not classified as dangerous in the meaning of transport regulations.

IMDG

- 14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable
14.5. Environmental hazards: none
14.6. Special precautions for user:
Not classified as dangerous in the meaning of transport regulations.

- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
not applicable

SECTION 15: Regulatory information

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

no data available

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Text of R-phrases mentioned in Section 3

R36 Irritating to eyes.

Full text of H-Statements referred to under section 3.

H319 Causes serious eye irritation.

Other information professional use

Further information

TraSys ® is a registered trademark of Stoner Incorporated or its affiliates.

No ES Annex has been created as to the best of our knowledge and information available at the date of its publication no Exposure Scenario information is currently available for the substances within the mixture. Please see Sections 1 to 16 of the Safety Data Sheet.

SAFETY DATA SHEET according to Regulation (EC) No 1907/2006
and 453/2010

TraSys[®] 414

Version 2.0
Ref. 130000024039

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.