

Safety data sheet in accordance with regulation (EC) No 1907/2006

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

1.1. Product identifier

TAMPAPUR 1 KG TPU 429

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

Pad printing ink

Identified Uses

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PROC1 Use in closed process, no likelihood of exposure

PROC2 Use in closed, continuous process with occasional controlled exposure

PROC3 Use in closed batch process (synthesis or formulation)

PROC4 Use in batch and other process (synthesis) where opportunity for exposure arises

PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities

PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring

PROC19 Hand-mixing with intimate contact and only PPE available

ERC4 Industrial use of processing aids in processes and products, not becoming part of articles

ERC8a Wide dispersive indoor use of processing aids in open systems

ERC8d Wide dispersive outdoor use of processing aids in open systems

Uses advised against

SU21 Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Address

Marabu GmbH & Co. KG

Asperger Strasse 4

71732 Tamm

Germany

Telephone no. +49-7141/691-0

Fax no. +49-7141/691-147

Information provided

by / telephone

Department product safety

E-mail address of

person responsible

for this SDS

PRSI@marabu.de

1.4. Emergency telephone number

(+49) (0)621-60-43333

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Classification

R10

R67

R52/53

Xi, R36

2.2. Label elements

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols



irritant

R phrases

10 Flammable.

36 Irritating to eyes.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

60 This material and its container must be disposed of as hazardous waste.

61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Pad printing ink based on acrylic resins and on solvents

Hazardous ingredients

Solvent naphtha (petroleum), light arom.

CAS No. 64742-95-6

EINECS no. 265-199-0

Concentration $\geq 7 < 10$ %

Classification

Xn, R65

Xi, R37

N, R51/53

R10

R66

R67

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226

STOT SE 3 H336

STOT SE 3 H335

Asp. Tox. 1 H304

Aquatic chronic 2 H411

Butyl glycolate

CAS No. 7397-62-8

EINECS no. 230-991-7

Registration no. 01-2119514685-36
Concentration $\geq 3 < 5$ %
Classification
Xi, R41
Repr.Cat.3, R63
Classification (Regulation (EC) No. 1272/2008)
Eye Dam. 1 H318
Repr. 2 H361d

Ethyl benzene

CAS No. 100-41-4
EINECS no. 202-849-4
Registration no. 01-2119489370-35
Concentration $\geq 1 < 2,5$ %
Classification
Xn, R20
F, R11
Classification (Regulation (EC) No. 1272/2008)
Flam. Liq. 2 H225
Acute Tox. 4 H332

Xylene

CAS No. 1330-20-7
EINECS no. 215-535-7
Registration no. 01-2119488216-32/01-2119486136-34
Concentration $\geq 7 < 10$ %
Classification Xn, R20/21-R65
Xi, R36/37/38
R10
Classification (Regulation (EC) No. 1272/2008)
Skin Irrit. 2 H315
Flam. Liq. 3 H226
Acute Tox. 4 H332
Acute Tox. 4 H312
Eye Irrit. 2 H319
STOT SE 3 H335
STOT RE 2 H373
Asp. Tox. 1 H304

n-Butyl acetate

CAS No. 123-86-4
EINECS no. 204-658-1
Concentration $\geq 7 < 10$ %
Classification R10
R66
R67
Classification (Regulation (EC) No. 1272/2008)
Flam. Liq. 3 H226
STOT SE 3 H336

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

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

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Not be used for safety reasons: water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); dense black smoke; Silicon dioxide; Nitrogen oxides (NO_x); Hydrogen chloride (HCl)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Cool closed containers exposed to fire with water. 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**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

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 preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of particulates and spray mist arising from the application of this mixture. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one.

Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires B (Combustible liquid substances)

Temperature class T2

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Electrical installations/working materials must comply with the local applied technological safety standards. Storage rooms in which filling operations take place must have a conducting floor. Store in accordance with national regulation

Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

Pad printing ink

SECTION 8: Exposure controls/personal protection *****8.1. Control parameters****Derived No/Minimal Effect Levels (DNEL/DMEL) *******Xylene**

Type of value Derived No Effect Level (DNEL)

Reference group Worker

Duration of exposure Short term

Route of exposure inhalative

Mode of action Systemic effects

Concentration 289 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Worker

Duration of exposure Short term

Route of exposure inhalative

Mode of action Local effects

Concentration 289 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Worker

Duration of exposure Long term

Route of exposure dermal

Mode of action Systemic effects

Concentration 180 mg/kg

Type of value Derived No Effect Level (DNEL)

Reference group Worker

Duration of exposure Long term

Route of exposure inhalative

Mode of action Systemic effects

Concentration 77 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Short term

Route of exposure inhalative

Mode of action Systemic effects

Concentration 174 mg/m³
Type of value Derived No Effect Level (DNEL)
Reference group Consumer
Duration of exposure Short term
Route of exposure inhalative
Mode of action Local effects
Concentration 174 mg/m³
Type of value Derived No Effect Level (DNEL)
Reference group Consumer
Duration of exposure Lifetime
Route of exposure dermal
Mode of action Systemic effects
Concentration 108 mg/kg
Type of value Derived No Effect Level (DNEL)
Reference group Consumer
Duration of exposure Lifetime
Route of exposure oral
Mode of action Systemic effects
Concentration 1,6 mg/kg
Type of value Derived No Effect Level (DNEL)
Reference group Consumer
Duration of exposure Lifetime
Route of exposure inhalative
Mode of action Systemic effects
Concentration 14,8 mg/m³
n-Butyl acetate
Type of value Derived No Effect Level (DNEL)
Reference group Worker
Duration of exposure Short term
Route of exposure inhalative
Mode of action Systemic effects
Concentration 960 mg/m³
Type of value Derived No Effect Level (DNEL)
Reference group Worker
Duration of exposure Short term
Route of exposure inhalative
Mode of action Local effects
Concentration 960 mg/m³
Type of value Derived No Effect Level (DNEL)
Reference group General Population
Duration of exposure Long term
Route of exposure inhalative
Mode of action Systemic effects
Concentration 480 mg/m³
Type of value Derived No Effect Level (DNEL)
Reference group Worker
Duration of exposure Long term
Route of exposure inhalative
Mode of action Local effects
Concentration 480 mg/m³
Type of value Derived No Effect Level (DNEL)
Reference group General Population
Duration of exposure Short term
Route of exposure inhalative
Mode of action Systemic effects
Concentration 859,7 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group General Population

Duration of exposure Short term

Route of exposure inhalative

Mode of action Local effects

Concentration 859,7 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group General Population

Duration of exposure Long term

Route of exposure inhalative

Mode of action Systemic effects

Concentration 102,34 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group General Population

Duration of exposure Long term

Route of exposure inhalative

Mode of action Local effects

Concentration 102,34 mg/m³

Butyl glycolate

Type of value Derived No Effect Level (DNEL)

Reference group Worker

Duration of exposure Long term

Route of exposure dermal

Mode of action Systemic effects

Concentration 34,7 mg/kg

Type of value Derived No Effect Level (DNEL)

Reference group Worker

Duration of exposure Long term

Route of exposure inhalative

Mode of action Systemic effects

Concentration 21,2 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Long term

Route of exposure oral

Mode of action Systemic effects

Concentration 2 mg/kg

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Long term

Route of exposure dermal

Mode of action Systemic effects

Concentration 20,8 mg/kg

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Long term

Route of exposure dermal

Mode of action Local effects

Concentration 0,28 mg/kg

Type of value Derived No Effect Level (DNEL)

Reference group Consumer

Duration of exposure Long term

Route of exposure inhalative

Mode of action Systemic effects

Concentration 43,5 mg/m³

Predicted No Effect Concentration (PNEC) ***

Xylene

Type of value PNEC
Type Freshwater
Concentration 0,327 mg/l
Type of value PNEC
Type Saltwater
Concentration 0,327 mg/l
Type of value PNEC
Type Freshwater sediment
Concentration 12,46 mg/kg
Type of value PNEC
Type Marine sediment
Concentration 12,46 mg/kg
Type of value PNEC
Type Soil
Concentration 2,31 mg/kg
Type of value PNEC
Type Sewage treatment plant (STP)
Concentration 6,58 mg/l
Type of value PNEC
Type Water (intermittent release)
Concentration 0,327 mg/l

n-Butyl acetate

Type of value PNEC
Type Freshwater
Concentration 0,18 mg/l
Type of value PNEC
Type Saltwater
Concentration 0,018 mg/l
Type of value PNEC
Type Freshwater sediment
Concentration 0,981 mg/kg
Type of value PNEC
Type Marine sediment
Concentration 0,0981 mg/kg
Type of value PNEC
Type Soil
Concentration 0,0903 mg/kg
Type of value PNEC
Type Sewage treatment plant (STP)
Concentration 35,6 mg/l
Type of value PNEC
Type Water (intermittent release)
Concentration 0,36 mg/l

Butyl glycolate

Type of value PNEC
Type Freshwater
Concentration 0,05 mg/l
Type of value PNEC
Type Soil
Concentration 0,0112 mg/kg
Type of value PNEC
Type Freshwater sediment
Concentration 0,203 mg/kg
Type of value PNEC
Type Sewage treatment plant (STP)

Concentration 232 mg/l

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Full mask, filter A

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Body protection

Cotton or cotton/synthetic overalls or coveralls are normally suitable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form Pasty

Colour coloured

Odour solvent-like

Odour threshold

Remarks No data available

pH value

Remarks Not applicable

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Value ≥ 124 °C

Method Value taken from the literature

Flash point

Value 36 °C

Method ASTM D 6450 (CCCFP)

Evaporation rate (ether = 1) :

Remarks not determined

Flammability (solid, gas)

Not applicable

Upper/lower flammability or explosive limits

Lower explosion limit 0,7 %(V)

Upper explosion limit 8,0 %(V)

Method Value taken from the literature

Vapour pressure

Value appr. 7 hPa
Temperature 20 °C
Method calculated

Vapour density

Remarks not determined

Density

Value 1,070 g/cm³
Temperature 20 °C
Method DIN EN ISO 2811

Solubility in water

Remarks partially miscible

Partition coefficient: n-octanol/water

Remarks Not applicable

Ignition temperature

Value 410 °C
Method Value taken from the literature

Efflux time

Value > 150 s
Method DIN 53211 4 mm

Explosive properties

evaluation no

Oxidising properties

evaluation None known

9.2. Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising 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.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Experience in practice**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation. Causes serious eye damage. Ingestion may cause nausea, diarrhoea and vomiting. Ingredient butyl glycolate may possibly cause harm to the unborn child if ingested. This takes into account, where known, delayed

and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Other information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

SECTION 12: Ecological information**12.1. Toxicity****General information**

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

12.2. Persistence and degradability**General information**

No data available

12.3. Bioaccumulative potential**General information**

There are no data available on the mixture itself.

Partition coefficient: n-octanol/water

Remarks Not applicable

12.4. Mobility in soil**General information**

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment**General information**

There are no data available on the mixture itself.

12.6. Other adverse effects**General information**

There are no data available on the mixture itself.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Do not allow to enter drains or water courses.

Wastes and emptied containers should be classified in accordance with relevant national regulation.

The European Waste Catalogue classification of this product, when disposed of as waste is

EWC waste code 08 03 12* waste ink containing dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

Disposal recommendations for packaging

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Not emptied containers are hazardous waste (waste code number 150110).

SECTION 14: Transport information**Land transport ADR/RID****14.1. UN number**

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class 3

Label 3

14.4. Packing group

Packing group III

Special provision 640E

Remarks The product is viscous; non-dangerous good in Containers with a capacity <= 450 ltrs.

Limited Quantity 5 l

Transport category 3

Tunnel restriction code D/E

Marine transport IMDG/GGVSee

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Remarks Transport according to 2.3.2.5 of the IMDG Code

Air transport ICAO/IATA

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

no

SECTION 15: Regulatory information

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

or mixture

Other information

The product does not contain substances of very high concern (SVHC).

Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the IECSC inventory.

All components are contained in the ECL inventory.

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

R-phrases listed in Chapter 3

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 20/21 Harmful by inhalation and in contact with skin.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 37 Irritating to respiratory system.
- 41 Risk of serious damage to eyes.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 63 Possible risk of harm to the unborn child.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

Hazard statements listed in Chapter 3

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure:
- H411 Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

- Acute Tox. 4 Acute toxicity, Category 4
- Aquatic chronic 2 Hazardous to the aquatic environment, chronic, Category 2
- Asp. Tox. 1 Aspiration hazard, Category 1
- Eye Dam. 1 Serious eye damage, Category 1
- Eye Irrit. 2 Eye irritation, Category 2
- Flam. Liq. 2 Flammable liquid, Category 2
- Flam. Liq. 3 Flammable liquid, Category 3
- Repr. 2 Reproductive toxicity, Category 2
- Skin Irrit. 2 Skin irritation, Category 2
- STOT RE 2 Specific target organ toxicity - repeated exposure, Category 2
- STOT SE 3 Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

SECTION 17 - PREPARATION AND ADDITIONAL INFORMATION

Prepared by: Sterling Marking Products Inc.
Quality Planning and Engineering Department
349 Ridout St., N.
London, Ontario N6A 2N8

Date Prepared: January 29, 2014

Expires: 29-Jan-2017

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that user of this material has been fully trained according to the mandatory requirements of WHMIS. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal, Quebec (514-873-3990).