

*** 1 Identification of the substance/mixture and of the company/undertaking****Product identifier****Trade name:** TJ Pro Flush**Article number:** 999500**CAS Number:**

34590-94-8

EC number:

252-104-2

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

No further relevant information available.

Application of the substance / the mixture Printing Ink Flush**Details of the supplier of the safety data sheet**

Avery Dennison Digital Ink Solutions

250 Chester Street, Building 7

Painesville, OH 44077 - USA

1-877-214-0909

Manufacturer/Supplier:

Avery Dennison

250 Chester Street

Painesville, OH 44077

USA

Further information obtainable from: reflective.product.compliance@averydennison.com**Emergency telephone number:**

CHEMTREC Israel: +(972)-37630639

CHEMTREC International +1 (703) 527-3887 24 hr

2 Hazards identification**Classification of the substance or mixture**

The substance is not classified, according to the Globally Harmonised System (GHS).

Label elements**GHS label elements** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**3 Composition/information on ingredients****Chemical characterisation: Substances****CAS No. Description**

34590-94-8 Dipropylene glycol monomethyl ether

Identification number(s)**EC number:** 252-104-2**4 First aid measures****Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.06.2020

Version number 1.0

Revision: 16.06.2020

Trade name: TJ Pro Flush

(Contd. of page 1)

After skin contact: Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.**Most important symptoms and effects, both acute and delayed** No further relevant information available.**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures**Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**Special hazards arising from the substance or mixture** No further relevant information available.**Advice for firefighters****Protective equipment:** No special measures required.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures** Not required.**Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage**Handling:****Precautions for safe handling** No special measures required.**Information about fire - and explosion protection:** No special measures required.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**Specific end use(s)** No further relevant information available.**8 Exposure controls/personal protection****Additional information about design of technical facilities:** No further data; see item 7.**Control parameters****Ingredients with limit values that require monitoring at the workplace:****34590-94-8 Dipropylene glycol monomethyl ether**

TLV Long-term value: 100 ppm

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.06.2020

Version number 1.0

Revision: 16.06.2020

Trade name: TJ Pro Flush

(Contd. of page 2)

Additional information: The lists valid during the making were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling**9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Colour:	Colourless
Odour:	Ether-like
Odour threshold:	Not determined.

pH-value: Not determined.**Change in condition****Melting point/freezing point:** -83 °C**Initial boiling point and boiling range:** 190 °C**Flash point:** 75 °C**Flammability (solid, gas):** Not applicable.**Ignition temperature:** 270 °C**Decomposition temperature:** Not determined.**Auto-ignition temperature:** Not determined.**Explosive properties:** Product does not present an explosion hazard.**Explosion limits:****Lower:** 1.1 Vol %**Upper:** 14 Vol %**Vapour pressure at 20 °C:** 0.4 hPa**Density at 20 °C:** 0.956 g/cm³**Relative density** Not determined.**Vapour density** Not determined.**Evaporation rate** Not determined.

(Contd. on page 4)

Safety data sheet

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Version number 1.0

Revision: 16.06.2020

Trade name: TJ Pro Flush

(Contd. of page 3)

Solubility in / Miscibility with water:

Fully miscible.

Partition coefficient: n-octanol/water: Not determined.**Viscosity:****Dynamic at 20 °C:** 4.55 mPas**Kinematic at 20 °C:** 4.55 mm²/s**VOC (EC)** 90 - 100 %**Solids content:** 0.0 %**Other information**

No further relevant information available.

10 Stability and reactivity**Reactivity** No further relevant information available.**Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.**11 Toxicological information****Information on toxicological effects****Acute toxicity****LD/LC50 values relevant for classification:****34590-94-8 Dipropylene glycol monomethyl ether**

Oral LD50 5,135 mg/kg (rat)

Dermal LD50 > 19,000 mg/kg (rab)

Primary irritant effect:**Skin corrosion/irritation** No irritant effect.**Serious eye damage/irritation** No irritating effect.**Respiratory or skin sensitisation** No sensitising effects known.**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behaviour in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 5)

Safety data sheet

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Version number 1.0

Revision: 16.06.2020

Trade name: TJ Pro Flush

(Contd. of page 4)

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation** Smaller quantities can be disposed of with household waste.**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**14 Transport information****UN-Number****ADR, ADN, IMDG, IATA** not regulated**UN proper shipping name****ADR, ADN, IMDG, IATA** not regulated**Transport hazard class(es)****ADR, ADN, IMDG, IATA**
Class not regulated**Packing group****ADR, IMDG, IATA** not regulated**Environmental hazards:**

Not applicable.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

UN "Model Regulation":

not regulated

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****GHS label elements** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Directive 2012/18/EU****Named dangerous substances - ANNEX I** Substance is not listed.**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 1.0

Revision: 16.06.2020

Trade name: TJ Pro Flush

(Contd. of page 5)

EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

* **Data compared to the previous version altered.**

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