Material Safety Data Sheet

1. Identification of the substance / preparation and of the company / undertaking

Product Name: DTGFLUSHSOL
First issued: 11/01/2006, Version 1.01
Use: Inkjet printing ink
Company: Colman & Company
Company address: 5409 South Westshore Blvd.
Tampa, FL 33611
Tel: 800-891-1094
Fax: 813-839-2896

For Non-emergency / Colman & Co
1-800-891-1094 (9am-5pm, USA – EST)
Emergency / CHEMTREC
1-800-424-9300 (24 hours, USA)

2. Composition I information on ingredients

General description
Flushing solution for inkjet printers
Hazardous ingredients
Hazards shown below refer to named substance. Concentration in preparation is shown on the right.
Humectant blend
Hazard symbols, Xn: 3-5%
R phrases: 22

3. Hazards identification

Overview: A green coloured liquid
Potential Environmental Effects: No significant environmental hazards are expected if material is released to the environment. Caution: Avoid skin and eye contact.

4. First Aid Measures

General First Aid
Seek medical advice if any symptoms arise apparently due to contact with this product.

Skin contact
After contact with skin, wash with plenty of water or soap and water. If irritation persists, or there is any sign of tissue damage, seek medical advice. Remove contaminated clothing and wash before re-use.

Eye contact
In case of contact with eyes rinse immediately with plenty of water for at least 15 minutes. Seek medical advice.

Inhalation
If symptoms due to inhalation are observed, remove person to fresh air. If symptoms persist, seek medical advice.

Ingestion
If swallowed, rinse mouth with plenty of water and give water to drink. Do not induce vomiting. Seek medical advice.

5. Fire-fighting measures

General fire-fighting
This product is not considered a fire hazard

Extinguishing media
Waterspray, foam, dry chemical, CO2.

Special exposure hazards
May decompose if involved in a fire, releasing irritant/toxic fumes.

Protective Equipment
Under fire conditions wear full protective clothing and self contained breathing apparatus

6. Accidental Release measures

Personal protection
Contact with skin and eyes should be avoided. Wear impervious gloves and safety glasses or goggles.

Environmental protection
It is not anticipated that this product poses any significant environmental hazards. However, as a matter of good practice, prevent entry of liquid into sewers and water courses

Disposal
Absorb on sand or earth and place in container for safe disposal. Containers should be sealed and labelled. Flush away any traces which cannot be recovered by other means with copious amounts of water, and detergent if available. Remove container of waste material to disposal site.

7. Handling and storage

Handling
Follow proper standards of industrial hygiene. Avoid contact with skin and eyes.

Storage
Container should be kept sealed and stored in cool dry conditions
Avoid temperatures above 40°C and below -5°C.

B. Exposure controls/personal protection

Exposure Guidelines
No exposure guidelines have been established for this product.
Exposure controls
Engineering measures, such as the provision of local exhaust ventilation or containment, should always be taken before personal protection equipment is necessary. Monitoring should be provided to ensure that exposure levels are kept below specified level - see above. For advice and guidance on protective equipment see the PEE regulations 1992 and the booklet HS(g)53 "RPE: A Practical Guide for users". Non-UK customers should contact their national competent authority for local advice.

Personal protection
Respiratory protection
In the event of inadequate ventilation: wear suitable respirator conforming to EN405 FFABE1P2SL standard.

Hand protection
Liquid resistant gloves are recommended to minimise skin contact. Eye protection
Wear suitable eye protection such as goggles conforming to EN 166/5.

Skin protection
Work overalls. Limited splash protection coveralls conforming to EN 340 complex design Cat.3, Type 5 & 6. Wash hands and face thoroughly with mild soap before eating and drinking.

Environmental exposure controls:
This product should be used in accordance with national and international regulations and following the principles of BAT (best Available Technique). See also section 16.

9. Physical and chemical properties
Physical form: Low viscosity Liquid
Colour: green
Odour: none Ph
4-6
Boiling point/boiling range: 90-100°C
Melting point/melting range: not applicable
Flash point: not applicable
Flammability: not applicable
Autoflammability: not applicable
Explosive properties: none known
Oxidizing properties: none known
Vapour pressure: not known
Relative density: 1g/cm3
Water solubility: miscible
Fat solubility: not known
Partition coefficient(n-octanol/water): not known

10. Stability and reactivity
Stability of substance: Stable under normal conditions.
Conditions to avoid: Avoid temperatures above 40°C and below -5°C
Materials to avoid: None known
Hazardous decomposition products
The substances arising from the thermal decomposition of this product cannot be accurately predicted. Any fumes are potentially irritant/toxic and suitable protection should be worn.

11. Toxicological Information
General toxicology
This information has been determined by consideration of the toxicological data for the components and for analogous products.
Skin contact
May cause slight irritation
Acute dermal toxicity: no data available.
Eye contact
May cause slight irritation
Not classified by the conventional method
Inhalation
No data available
Ingestion
No data available

12. Ecological information
General ecological information
The contamination of rivers and soil should be avoided.
Mobility
The colorant in this formulation is minimal.
Persistence
No data available
Ecotoxicity
No data available
Water pollution class (WGK) Class 2 (contaminating) (VwVwS group classification)

WGK = classification in accordance with German Water Resources Act.

AOX:
None

Heavy water contact
This product does not contain heavy metals as part of its structure. Any present will be in trace quantities in line with the ETAD limits for heavy metals in dyestuffs.

Ecological information on ingredients
None known

13. Disposal considerations

Product disposal
Removed material and / or unwanted product should be disposed of in accordance with local regulations.

Disposal of unclean containers
Consider local reuse or recycling. If this is not possible, dispose of as for product.

14. Transport information

This product is not classified as dangerous for transport.
Keep separated from foodstuffs.

UN No
CDG CPL classification
IMDG Code
ADR/RID
ICAO/IATA

15. Regulatory information

Label for supply

Risk phrases
R22 Harmful if swallowed.

Safety phrases

Regulatory references, EC
This preparation is classified according to the dangerous preparations directive 99/45/EC and its Adaptations.
S60 Material and container must be disposed of as hazardous waste

Regulatory references, UK
This product is classified according to the Chemicals (Hazard Information AND Packaging for Supply) Regulations 2002 (CHIP3)

16. Other information

Other information
This safety data sheet has been prepared in accordance with the requirements of the data sheet directive 91/155/EEC and its Amendments.

Full text of R and S phrases appearing in this Safety Data Sheet.
R22 Harmful if swallowed

Environmental Legislation
Environmental Protection Act 1990
Water Resources Act 1991
Special Waste Regulations 1996
Integrated Pollution Prevention and Control, 96/61/EEC
Hazardous Waste Directive, 91/689/EEC.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

HMIS Ratings Health /1 Flammability /0 Reactivity /0 Protective Equipment /0

End of data sheet.