

LIQUID PREPARATION FOR : TIPP-EX® ECOLUTIONS CORRECTION FLUID

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date: 13/11/2012

Supersedes: 07/11/2008

Version: 2.0

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

1.1. Product identifier

Substance or preparation : Mixture
Product name. : LIQUID PREPARATION FOR : TIPP-EX® ECOLUTIONS CORRECTION FLUID

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Correction fluid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SOCIETE BIC
14, Rue Jeanne d'Asnières
92611 CLICHY Cédex
T +33 01 45 19 52 00 - F +33 01 45 19 52 99
Bic.Contact@bicworld.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with. Not classified as flammable by EC criteria but may present a hazard in the event of a fire.

2.2. Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

Symbol(s) : -
R-phrases : -
S-phrases : -
Extra phrases : Safety data sheet available for professional user on request

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
titanium dioxide	(CAS No.) 13463-67-7 (EC no) 236-675-5	< 40	Not classified
Ethanediol	(CAS No.) 000107-21-1 (EC no) 203-473-3 (EC index no) 603-027-00-1	< 20	Xn; R22
limestone	(CAS No.) 1317-65-3 (EC index no) 215-279-6	< 20	Not classified
Ammonia%	(CAS No.) 001336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2	< 10	C; R34 N; R50

LIQUID PREPARATION FOR : TIPP-EX® ECOLUTIONS CORRECTION FLUID

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Name	Product identifier	Specific concentration limits	
Ethanediol	(CAS No.) 000107-21-1 (EC no) 203-473-3 (EC index no) 603-027-00-1	(25 =< C) Xn; R22	
Ammonia%	(CAS No.) 001336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2	(25 =< C) C; N; R34-50 (10 =< C < 25) C; R34 (5 =< C < 10) Xi; R36/37/38	
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
titanium dioxide	(CAS No.) 13463-67-7 (EC no) 236-675-5	< 40	Not classified
Ethanediol	(CAS No.) 000107-21-1 (EC no) 203-473-3 (EC index no) 603-027-00-1	< 20	Acute Tox. 4 (Oral), H302
limstone	(CAS No.) 1317-65-3 (EC index no) 215-279-6	< 20	Not classified
Ammonia%	(CAS No.) 001336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2	< 10	Skin Corr. 1B, H314 Aquatic Acute 1, H400
Name	Product identifier	Specific concentration limits	
Ammonia%	(CAS No.) 001336-21-6 (EC no) 215-647-6 (EC index no) 007-001-01-2	(5 =< C) STOT SE 3, H335	

Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- inhalation : Move the affected person away from the contaminated area and into the fresh air. If the person feels unwell : Seek medical advice.
- skin contact : Rinse immediately with plenty of water. If case of redness or irritation, call a doctor.
- eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, consult an eye specialist.
- ingestion : Seek medical advice (show the label where possible).

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

Symptoms/injuries : Ethylene Glycol : Fatigue. Nausea. Vomiting. CNS depression.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO2). Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : During combustion : Toxic vapours may be released.
Reactivity : To our knowledge, the product does not present any particular risk.

5.3. Advice for firefighters

Precautionary measures fire : Cool down the containers exposed to heat with a water spray. Contain the extinguishing fluids by bunding.
Protection of fire-fighters : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes. Do not breathe smoke.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Contain the spilled material by bunding. Do not discharge into drains or rivers.

LIQUID PREPARATION FOR : TIPP-EX® ECOLUTIONS CORRECTION FLUID

Safety Data Sheet

according to Regulation (EC) No. 453/2010

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spillage with: inert absorbent material. Sand/earth.
Methods for cleaning up : Sweep up or vacuum up the product. Wash contaminated area with large amounts of water. Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

For further information see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Extraction to remove vapours at their source. Avoid contact with skin and eyes.
Hygiene measures : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : The floor of the depot should be impermeable and designed to form a tight basin.
Storage conditions : Store in a cool, well-ventilated place. Keep container tightly closed.
Incompatible materials : Mineral acids. Strong oxidizing agents.
Packaging materials : Store in original package.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

titanium dioxide (13463-67-7)		
France	VME (mg/m ³)	10 mg/m ³ (Ti)

Ammonia% (001336-21-6)		
France	VLE (mg/m ³)	14 mg/m ³
France	VLE (ppm)	20 ppm
France	VME (mg/m ³)	7 mg/m ³
France	VME (ppm)	10 ppm

limstone (1317-65-3)		
France	VME (mg/m ³)	10 mg/m ³

Ethanediol (000107-21-1)		
France	VLE (mg/m ³)	104 mg/m ³ <Missing Translation : (40 ppm) />
France	VME (mg/m ³)	52 mg/m ³ <Missing Translation : (20 ppm) />
France	Note (FR)	(VLEP indicatives - Articles R4412-150 du Code du travail)

8.2. Exposure controls

- Technical measures : Ensure good ventilation of the work station. Extraction to remove vapours at their source.
Hand protection : In case of intensive use : Nitrile-rubber protective gloves. Breakthrough time : refer to the recommendations of the supplier.
Eye protection : Safety goggles.
Respiratory protection : If the ventilation is suitable, it is not essential to wear respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
Colour : White.
Odour : Characteristic.
Odour threshold : No data available
pH : 6 - 8
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : Not applicable

LIQUID PREPARATION FOR : TIPP-EX® ECOLUTIONS CORRECTION FLUID

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Heat. Sparks. open flames. Ignition sources.

10.5. Incompatible materials

Mineral acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

On combustion or on thermal decomposition (pyrolysis) releases : Carbon oxydes (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

titanium dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (mg/l)	> 3,56 mg/l/4h

Ethanediol (000107-21-1)	
LD50 oral rat	> 2000 mg/kg (published data)
LD50 dermal rabbit	> 10000 mg/kg (published data)

Irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 6 - 8
Corrosivity	: Not classified (Based on available data, the classification criteria are not met) pH: 6 - 8
Sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Repeated dose toxicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Toxicity for reproduction	: Not classified (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms	: Presents no particular risk when handled in accordance with good occupational hygiene practice.

LIQUID PREPARATION FOR : TIPP-EX® ECOLUTIONS CORRECTION FLUID

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No information available, however this product is not considered to present any particular risk for the aquatic environment.

Ethanediol (000107-21-1)	
LC50 fish 1	> 18500 mg/l (Onchorhyncus mykiss / 96h)
EC50 Daphnia	> 10000 mg/l (Daphnia magna /24h)

12.2. Persistence and degradability

Ethanediol (000107-21-1)	
Persistence and degradability	Readily biodegradable.
Biodegradation	83 - 96 % 14 days

12.3. Bioaccumulative potential

Ethanediol (000107-21-1)	
Log Pow	-1,36
Bioaccumulative potential	Not potentially bioaccumulable.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations. Destroy at an authorised site.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

No dangerous good in sense of transport regulations.

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

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

LIQUID PREPARATION FOR : TIPP-EX® ECOLUTIONS CORRECTION FLUID

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

This sheet was updated (refer to the date at the top of this page).

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Skin Corr. 1B	skin corrosion/irritation Category 1B
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
R22	Harmful if swallowed.
R34	Causes burns
R50	Very toxic to aquatic organisms
C	Corrosive
N	Dangerous for the environment
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.