

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & COMPANY

Product Name CRYSTAL VIOLET (HUCKER-CONN)

Product Code 62050X

Supplier Clin-Tech Limited
 Unit G, Perram Works
 Merrow Lane
 Guildford, Surrey
 GU4 7BN

Telephone 01483 301902
Fax 01483 301907
e-mail / Website Info@clin-tech.co.uk / www.clin-tech.co.uk

2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CRYSTAL VIOLET	208-953-6	548-62-9	1-5%	Carc 3; R40 Xn; R22 Xi; R41 N; R50/53
ETHANOL	200-578-6	64-17-5	10-20%	F; R11
METHANOL	200-659-6	67-56-1	0-1%	F; R11 T; R23/24/25, R39/23/24/25
AMMONIUM OXALATE MONOHYDRATE	238-135-4	6009-70-7	0-1%	Xn; R21/22

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION

CLASSIFICATION Xn; R22 R40 R41
 N; R51/53
 R10

- Harmful if swallowed
- Limited evidence of a carcinogenic effect
- Risk of serious damage to eyes
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- Flammable

4. FIRST-AID MEASURES**INHALATION**

Move the exposed person to fresh air at once. Get medical attention if symptoms occur.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Seek medical attention.

SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

UNUSUAL FIRE & EXPLOSION HAZARDS

Harmful, flammable vapours may form on heating.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Flush area with water.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS

Chemical storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	8h TWA		STEL	
METHANOL	WEL (skin)	200 ppm	260 mg/m ³	250 ppm	310 mg/m ³
ETHANOL	WEL	1000 ppm	1900 mg/m ³		

WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Well-ventilated area.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved safety goggles if there is a risk of splashing during use.

OTHER PROTECTION

Provide eyewash station. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Violet Liquid
ODOUR	Alcoholic
SOLUBILITY	Soluble in water.
BOILING POINT	~ 89°C @ 760 mmHg
RELATIVE DENSITY	~ 0.90 @ 20°C
FLASH POINT (CLOSED CUP)	~ 36°C @760 mmHg

10. STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

11. TOXICOLOGICAL INFORMATION

INHALATION

Not toxic.

INGESTION

Not toxic.

SKIN CONTACT

Not toxic.

EYE CONTACT

Prolonged contact may cause transient eye irritation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Crystal Violet is dangerous for the environment and as such release to the environment should be avoided.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



IMDG

UN#	1993
Class	3
PG	III
Proper shipping name:	Flammable Liquid, n.o.s.
Marine Pollutant:	No

IATA

UN#	1993
Class	3
PG	III
Proper shipping name:	Flammable Liquid, n.o.s.

RID / ADR

UN#	1993
Class	3
PG	III
Proper shipping name:	Flammable Liquid, n.o.s.

15. REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

RISK PHRASES

R22	Harmful if swallowed
R40	Limited evidence of a carcinogenic effect
R41	Risk of serious damage to eyes
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R10	Flammable

SAFETY PHRASES

S16	Keep away from sources of ignition - No smoking
S24/25	Avoid contact with skin and eyes
S46	If swallowed, seek medical advice immediately and show this container or label
S61	Avoid release to the environment. Refer to special instructions/safety data sheet

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16. OTHER INFORMATION**GENERAL INFORMATION**

This safety data sheet covers all codes for this product.

REVISION COMMENTS

Reassessment of R and S phrases.

REVISION DATE

06-2009

REV. NO./REPL. SDS GENERATED

4 / 11-2008

RISK PHRASES IN FULL

R10	Flammable
R11	Highly flammable
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R40	Limited evidence of a carcinogenic effect
R41	Risk of serious damage to eyes
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment