

Revision Date: 22-Mar-2005

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product code S33100
Product name SYBR Safe™ DNA gel stain in 0.5X TBE

Company/Undertaking Identification

MOLECULAR PROBES, INC.
29851 Willow Creek Road
Eugene, OR 97402
U.S.A.
++1 541 465 8300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

Chemical Name	CAS-No	EINECS-No.	Weight %	Classification
water	7732-18-5	231-791-2	> 96.9	-
SYBR Safe dye			< 0.1	-
TRIS Base	77-86-1	201-064-4	< 1	-
boric acid	10043-35-3	233-139-2	< 1	-
ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	200-573-9	< 1	-

3. HAZARDS IDENTIFICATION

The product is classified and labelled in accordance with Directive 1999/45/EC

Classification

Indication of danger

Not hazardous

R -phrase(s)

None

4. FIRST AID MEASURES

Skin contact Wash off immediately with plenty of water
Eye contact Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion Never give anything by mouth to an unconscious person
Inhalation Move to fresh air
Notes to physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment
Methods for cleaning up Soak up with inert absorbent material

7. HANDLING AND STORAGE

Handling No special handling advice required
Storage Store at room temperature in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	EU OEL (TWA)	EU OEL (STEL)	EU Skin Notation
water	-	-	-
SYBR Safe dye	-	-	-
TRIS Base	-	-	-
boric acid	-	-	-
ethylenediaminetetraacetic acid, tetrasodium salt	-	-	-

Chemical Name	Austria OEL (MAK)	Belgium (TWA)	Denmark (TWA)	Finland OEL (TWA)
water	-	-	-	-
SYBR Safe dye	-	-	-	-
TRIS Base	-	-	-	-
boric acid	-	-	-	-
ethylenediaminetetraacetic acid, tetrasodium salt	-	-	-	-

Chemical Name	France OEL (VME)	Germany OEL (TWA)	Ireland (TWA)	Italy OEL (TWA)
water	-	-	-	-
SYBR Safe dye	-	-	-	-
TRIS Base	-	-	-	-
boric acid	-	-	-	-
ethylenediaminetetraacetic acid, tetrasodium salt	-	-	-	-

Chemical Name	Netherlands OEL (MAC)	Spain OEL (TWA)	United Kingdom
water	-	-	-
SYBR Safe dye	-	-	-
TRIS Base	-	-	-
boric acid	-	-	-
ethylenediaminetetraacetic acid, tetrasodium salt	-	-	-

Engineering measures No special precautions required.

Personal protective equipment

Respiratory protection No special protective equipment required.
Hand protection Protective gloves.
Eye protection Safety glasses with side-shields
Skin and body protection Lightweight protective clothing
Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls No special environmental precautions required

Target Organ Effects

No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Effects on waste water treatment plants

Chemical oxygen demand, 7020 ug/L (USEPA 410.1)
Ammonia as nitrogen, 253 ug/L (USEPA 350.1)
Total organic carbon, 2480 ug/L (USEPA 415.1)
Total phenolics, none detected (USEPA 420.1)
Organochlorine pesticides and PCBs, none detected (USEPA 608M)
Semi-volatile organic compounds, none detected (USEPA 625)
Volatile organic compounds, none detected (USEPA 624)
Priority Pollutant Metals, none detected (Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Ti, Zn) (USEPA 200.7/200 series)

Aquatic toxicity

Test Method: Fathead minnow CA Title 22 acute screening,
Result: Not hazardous or toxic to aquatic life

Mobility

Completely soluble.

Biodegradation

No information available.

Bioaccumulation

Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

EWC waste disposal No

No information available.

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA

Proper shipping name

Not classified as dangerous in the meaning of transport regulations

Hazard Class

No information available

Subsidiary Class

No information available

Packing group

No information available

UN-No

No information available

15. REGULATORY INFORMATION

Indication of danger

Not hazardous

R -phrase(s)

None

S -phrase(s)

None

International Inventories

Chemical Name	EINECS	ELINCS	PICCS	ENCS
water	Listed	-	Listed	-
SYBR Safe dye	-	-	-	-
TRIS Base	Listed	-	Listed	Listed
boric acid	Listed	-	Listed	Listed
ethylenediaminetetraacetic acid, tetrasodium salt	Listed	-	Listed	Listed

Chemical Name	TSCA	CHINA	AICS	KECL
water	Listed	Listed	Listed	Listed
SYBR Safe dye	-	-	-	-
TRIS Base	Listed	Listed	Listed	Listed
boric acid	Listed	Listed	Listed	Listed
ethylenediaminetetraacetic acid, tetrasodium salt	Listed	Listed	Listed	Listed

16. OTHER INFORMATION

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End of Safety Data Sheet