

Material Safety Data Sheet



According to Commission regulation (EU) **2015/830** of 28-May-2015 amending Regulation (EC) No 1907/2006

Commercial name: **DireCtQuant NAEL - Nucleic acid electrophoresis sample loading dye**

Revision Date: 02-Jan-2020

SECTION 1. Identification of the substance/mixture and of the company

1.1 Product identifier:

Commercial name DireCtQuant NAEL - Nucleic acid electrophoresis sample loading dye
Chemical name Not Applicable
Product number #DCQNAEL
REACH number A registration number is not available for this mixture as the substances or their uses are exempted from registration, the annual tonnage does not require a registration (is less than one tonnage per annum) or the transition period for its registration according to Article 23 of REACH has not yet expired.

1.2 Relevant identified uses of the substance or mixture and no advisable uses

Identified uses Research Use Only. Not for use in diagnostic or therapeutic procedures.
Use Description Code PROC15 - Use as laboratory reagent, PC21 - Laboratory chemicals, SU24 - Scientific research and development.
No advisable uses: Not for consumer use.

1.3 Details of the supplier of the material safety data sheet

DireCtQuant
Lleida Agri-food Science and Technology Park
Parc de Gardeny, CeDiCo building,
25003 Lleida, Spain

Office: Germans Izquierdo 11, 2A
25003 Lleida, Spain
Phone/Fax: (+34) 973265552

Web: www.directquant.eu

E-mail: customersupport@directquant.eu

1.4 Emergency telephone number

Emergency Phone: +34 678-345-170

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous mixture according to Regulation (EC) No. 1272/2008 (CLP)
This mixture is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Pictogram None
Signal word Warning
Hazard statement(s)
H227 Combustible liquid
Precautionary statement(s) None
Supplemental Hazard None
Statements

2.3 Other hazards

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This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3. Composition/information on ingredients

3.2 Mixtures

Components at their given concentration needed to be disclosed according to the applicable regulations:

Chemical Name	CAS-No.	EINECS-No.	Weight percent	REACH registration number	Classification according (EC) No 1272/2008
NAEL - Nucleic acid electrophoresis sample loading dye*	-	-	<0.1	-	-
Dimethyl sulfoxide	67-68-5	200-664-3	95-100	-	-

* Actual concentration ranges are withheld as a commercial secret.

We recommend all chemicals to be handled with caution.

SECTION 4. First aid measures

Description of the first aid measures

General instructions No special measures required

Skin contact Rinse with plenty of water. Generally, the product does not irritate the skin.

Eye contact Rinse cautiously opened eyes for at least 15 minutes with water. If present, remove contact lenses and continue rinsing.

Inhalation Remove to fresh air. If symptoms persist, consult a physician.

Ingestion Induce vomiting and consult a physician.

Notes to physicians Treat symptomatically

SECTION 5. Fire-fighting measures

Suitable extinguishing media Water spray, CO₂, dry powder or appropriate foam.

Protective equipment Special protection is not needed.

SECTION 6. Accidental release measures

Personal safety precautions Always wear recommended Personal Protective Equipment (protective gloves, safety goggles and protective clothing).

Environmental protection Dilute with plenty water. Do not allow to enter sewers/ surface or ground water.

Cleaning/collecting Absorb with liquid-binding material (sand, acid binder, universal binder, sawdust) and dispose.

SECTION 7. Handling and storage

Handling No special measures required. Always keep the containers closed. Follow the good laboratory techniques when handling.

Storage Keep in the original container. Store at room temperature.

SECTION 8. Exposure controls and personal protection

Exposure limits The product does not contain any relevant quantities of materials with critical values

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that have to be monitored at the workplace.

Eye protection Wear goggles

Skin protection Wear protective gloves and lab coat

Respiratory protection Not required

Hygienic measures Observe the safety measures for handling chemicals. Avoid contact with skin and eye. Keep away from food. Do not eat, drink or smoke while working.

SECTION 9. Physical and chemical properties

Appearance	Liquid	Flash point	No data available
Colour	Red	Vapour pressure	No data available
Odour	Odourless	Risk of explosion	The product is not explosive
Boiling point	No data available	pH-value at 20°C	No data available

SECTION 10. Stability and reactivity

Reactivity None known.

Chemical stability Stable if used according to specifications.

Decomposition No data available.

Avoiding conditions No further relevant information available.

SECTION 11. Toxicological information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat)	LC50 (inhalation, rat)
NAEL - Nucleic acid electrophoresis sample loading dye	-	-	-
Dimethyl sulfoxide	28.300 mg/kg	40.000 mg/kg	>5,33 mg/l; 4h

Primary irritant effect Mild eye and skin irritant effects are possible.

Sensibilization No sensitizing effects are known.

Carcinogenicity No data to carcinogenicity for humans.

SECTION 12. Ecological information

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

Persistence and degradability No data available.

Bioaccumulative potential No data available.

Results of PBT and vPvB assessment This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects No data available.

SECTION 13. Disposal considerations

It cannot be disposed of with household waste. It should not reach the sewage system. Disposal according to official guidelines.

SECTION 14. Transport information

ADR Non-hazardous for road transport

IMDG Non-hazardous for sea transport

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IATA Non-hazardous for air transport

UN number Not Applicable
UN proper shipping name Not Applicable
Transport hazard class(es) Not Applicable
Packing group Not Applicable

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

SECTION 15. Regulatory information

Safety, health and environmental regulations/ legislation specific for the substance or mixture

Substances of very High Concern None

EU REACH (1907/2006) - Annex XIV - Substances Subject to Authorization None

Restricted substances under EC 1907/2006 - Annex XVII None

Substances listed under Annex I of Regulation (EC) No 689/2008 None

Restricted substances under Annex V of Regulation (EC) No 689/2008 None

Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC None

Other International Inventories No data available.

Chemical safety assessment No Chemical safety assessment has been carried out.

SECTION 16. Other information

The above information is based on our present knowledge and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above mentioned products.

DISCLAIMER

For Research Use Only

Not intended for any animal or human diagnostic or therapeutic use

Abbreviations

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