

# SAFETY DATA SHEET



## REACTINT® BLUE X3LV

|         |                |                    |                                 |
|---------|----------------|--------------------|---------------------------------|
| Version | Revision Date: | SDS Number:        | Date of last issue: 11/19/2018  |
| 1.5     | 12/11/2018     | 000000003000003329 | Date of first issue: 01/30/2014 |

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : REACTINT® BLUE X3LV

Product code : 000000003000003329

#### Manufacturer or supplier's details

Company name of supplier : Milliken & Company

Address : 920 Milliken Rd  
Spartanburg SC 29303

Telephone : +1-864-503-1940 (M-F, 8-5 EST)

E-mail address : sds@milliken.com

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,  
CHEMTREC WORLD: 1-703-527-3887.

#### Recommended use of the chemical and restrictions on use

Recommended use : Colouring agent

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Specific target organ toxicity : Category 2 (Kidney)  
- repeated exposure (Oral)

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H373 May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.

Precautionary statements : **Prevention:**  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

**Response:**  
P314 Get medical advice/ attention if you feel unwell.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

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### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Colour reagent

### Components

| Chemical name     | CAS-No.  | Concentration (% w/w) |
|-------------------|----------|-----------------------|
| 2,2'-oxydiethanol | 111-46-6 | >= 5 -< 10            |

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed : May cause damage to organs through prolonged or repeated exposure if swallowed.

## SECTION 5. FIREFIGHTING MEASURES

Unsuitable extinguishing media : High volume water jet

Specific extinguishing methods : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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- |                                                       |                                                                                                                                                                                           |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental precautions                             | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal.                             |

### SECTION 7. HANDLING AND STORAGE

- |                                                 |                                                                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection.                                                                                                                                                                                   |
| Advice on safe handling                         | : Do not breathe vapours/dust.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Dispose of rinse water in accordance with local and national regulations. |
| Hygiene measures                                | : Wash hands before breaks and at the end of workday.                                                                                                                                                                               |
| Conditions for safe storage                     | : Keep container tightly closed in a dry and well-ventilated place.<br>Electrical installations / working materials must comply with the technological safety standards.                                                            |
| Further information on storage stability        | : No decomposition if stored and applied as directed.                                                                                                                                                                               |

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Appropriate engineering controls** : No data available

#### Personal protective equipment

Hand protection

- |                          |                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Remarks                  | : The suitability for a specific workplace should be discussed with the producers of the protective gloves.                             |
| Eye protection           | : Eye wash bottle with pure water<br>Tightly fitting safety goggles                                                                     |
| Skin and body protection | : Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place. |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                  |                            |
|--------------------------------------------------|----------------------------|
| Appearance                                       | : liquid                   |
| Colour                                           | : dark blue                |
| Odour                                            | : mild                     |
| Odour Threshold                                  | : No data available        |
| pH                                               | : No data available        |
| Melting point/freezing point                     | : < 0 °C                   |
| Boiling point/boiling range                      | : > 100 °C                 |
| Flash point                                      | : 230 °C                   |
|                                                  | Method: Cleveland open cup |
| Evaporation rate                                 | : No data available        |
| Flammability (solid, gas)                        | : No data available        |
| Flammability (liquids)                           | : No data available        |
| Self-ignition                                    | : No data available        |
| Upper explosion limit / Upper flammability limit | : No data available        |
| Lower explosion limit / Lower flammability limit | : No data available        |
| Vapour pressure                                  | : No data available        |
| Relative vapour density                          | : 1                        |
| Relative density                                 | : 1.1                      |
| Density                                          | : No data available        |
| Water solubility                                 | : No data available        |
| Solubility in other solvents                     | : No data available        |
| Partition coefficient: n-octanol/water           | : No data available        |
| Auto-ignition temperature                        | : No data available        |
| Decomposition temperature                        | : No data available        |

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|                      |   |                   |
|----------------------|---|-------------------|
| Viscosity, dynamic   | : | No data available |
| Viscosity, kinematic | : | No data available |
| Molecular weight     | : | No data available |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |   |                                                     |
|------------------------------------|---|-----------------------------------------------------|
| Reactivity                         | : | No decomposition if stored and applied as directed. |
| Chemical stability                 | : | No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : | No decomposition if stored and applied as directed. |
| Conditions to avoid                | : | No data available                                   |

#### Hazardous decomposition products

|                                  |   |                   |
|----------------------------------|---|-------------------|
| Hazardous decomposition products | : | No data available |
|----------------------------------|---|-------------------|

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Product:

|                     |   |                      |
|---------------------|---|----------------------|
| Acute oral toxicity | : | (Rat): > 5,000 mg/kg |
|---------------------|---|----------------------|

Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Components:

##### 2,2'-oxydiethanol:

|                     |   |                      |
|---------------------|---|----------------------|
| Acute oral toxicity | : | LD0 (Humans): 1 g/kg |
|---------------------|---|----------------------|

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitisation

##### Skin sensitisation

Not classified based on available information.

##### Respiratory sensitisation

Not classified based on available information.

##### Germ cell mutagenicity

Not classified based on available information.

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### **Product:**

Genotoxicity in vitro : Test Type: Ames test  
Result: negative

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

Not classified based on available information.

### **STOT - repeated exposure**

May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.

### **Aspiration toxicity**

Not classified based on available information.

### **Experience with human exposure**

### **Components:**

#### **2,2'-oxydiethanol:**

Ingestion : Target Organs: Kidney  
Symptoms: Bloody urine

### **Further information**

### **Product:**

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

### **Product:**

Additional ecological information : No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- |                        |   |                                                                                                                                                                        |
|------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste from residues    | : | Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.                                                                          |

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### NOM-002-SCT

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

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### SECTION 15. REGULATORY INFORMATION

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

|                                                                                                                                          |   |                |
|------------------------------------------------------------------------------------------------------------------------------------------|---|----------------|
| Federal Law for the control of chemical precursors, essential chemical products and machinery for producing capsules, tablets and pills. | : | Not applicable |
|------------------------------------------------------------------------------------------------------------------------------------------|---|----------------|

Additional information is available by request. ( regulatory@milliken.com )

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### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -

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Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Revision Date : 12/11/2018

Please Note: As each customer's use of our product may be different, information we provide, including without limitation, any regulatory information, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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