

# SAFETY DATA SHEET

This safety datasheet complies with the requirements of Regulation (EC) No. 830/2015



## SYNTHOMER™ NX 795

Version 1.1      Revision Date: 10.09.2020      Date of last issue: 17.12.2018  
Date of first issue: 17.12.2018

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

#### 1.1 Product identifier

Trade name : SYNTHOMER™ NX 795  
REACH Registration Number : 01-2119441305-48-0002  
EC-No. : 246-771-9

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

Use of the Substance/Mixture : Industrial use, Raw material, Intermediate, Additive, Carrier, Adhesives, Water-borne coatings, Lubricants and lubricant additives, Drilling applications, Flocculating agent  
Intermediate

#### 1.3 Details of the supplier of the safety data sheet

Company : Synthomer Speciality Additives AB.  
Durmakker 33  
9940 Evergem  
Telephone : +3292571717  
E-mail address of person responsible for the SDS : [regulatoryaffairs@synthomer.com](mailto:regulatoryaffairs@synthomer.com)

#### 1.4 Emergency telephone number

Emergency telephone number : +44 1235239670  
National Emergency Telephone Number : +31 10 713 8195 Dutch  
+33 1 72 11 00 03 French  
Poison Information Centre telephone number  
Centre Antipoisons-Antigifcentrum : +32 02 264 96 36

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

##### Additional Labelling

EUH210      Safety data sheet available on request.

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### 2.3 Other hazards

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).  
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Substance name	:	Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol
EC-No.	:	246-771-9
Chemical nature	:	Substance

#### Hazardous components

Remarks	:	No dangerous ingredients according to Regulation (EC) No. 1907/2006
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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

If inhaled	:	Move to fresh air.
In case of skin contact	:	Wash off with plenty of water.
In case of eye contact	:	Rinse thoroughly with plenty of water, also under the eyelids.
If swallowed	:	Get medical attention if symptoms occur. If large quantities of this material are swallowed, call a physician immediately.

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

Symptoms	:	No symptoms known or expected.
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### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	:	Product is compatible with standard fire-fighting agents. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet

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### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : May release toxic, irritating and/or corrosive gases.

Hazardous decomposition products  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
For personal protection see section 8.

### 6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Clean-up methods - small spillage  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Large spills should be collected mechanically (remove by pumping) for disposal.  
Pick up and transfer to properly labelled containers.  
After cleaning, flush away traces with water.

### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed.

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### 7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	Workers	Skin contact	Systemic effects	13.9 mg/kg bw/day
	Workers	Inhalation	Systemic effects	49 mg/m <sup>3</sup>
	Consumers	Ingestion	Systemic effects	8.33 mg/kg bw/day
	Consumers	Skin contact	Systemic effects	8.33 mg/kg bw/day
	Consumers	Inhalation	Systemic effects	14.5 mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	Fresh water	0.015 mg/l
	Fresh water sediment	0.78 mg/kg
	Impact on Sewage Treatment	7.5 mg/l
	Marine water	0.002 mg/l
	Marine sediment	0.078 mg/kg
	Soil	0.147 mg/kg

### 8.2 Exposure controls

#### Engineering measures

No special precautions required.

#### Personal protective equipment

Eye protection : Safety goggles

Hand protection

Material : Nitrile rubber

Material : Chloroprene

Material : butyl-rubber

Remarks : Protective gloves complying with EN 374.

Skin and body protection : Long sleeved clothing

Respiratory protection : not required under normal use

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### Environmental exposure controls

General advice:

The product should not be allowed to enter drains, water courses or the soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	colourless
Odour	:	slight
Odour Threshold	:	No data available
pH	:	3.54 (20 °C)
Melting point/freezing point	:	-70.25 °C Method: OECD Test Guideline 102
Boiling point/boiling range	:	257 °C Method: OECD Test Guideline 103
Flash point	:	114 °C Method: closed cup
Evaporation rate	:	No data available
Upper explosion limit	:	Not applicable
Lower explosion limit	:	Not applicable
Vapour pressure	:	0.013 hPa (20 °C) Method: OECD Test Guideline 104
Relative density	:	0.95
Bulk density	:	No data available
Solubility(ies)	:	
Water solubility	:	< 1 g/l (20 °C)
Partition coefficient: n-octanol/water	:	log Pow: 3.2 (25 °C) Method: OECD Test Guideline 117
Auto-ignition temperature	:	380 °C
Explosive properties	:	Not explosive

### 9.2 Other information

No data available

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

#### 10.4 Conditions to avoid

Conditions to avoid : Heat

#### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

#### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

##### Product:

Acute oral toxicity : LD50 Oral (Rat): 6,500 mg/kg  
Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : LCLo (Rat): > 3.55 mg/l  
Exposure time: 6 h  
Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : LD50 Dermal (Rabbit): 15,200 mg/kg  
Remarks: Based on available data, the classification criteria are not met.

##### Skin corrosion/irritation

##### Product:

Species: Rabbit  
Method: OECD Test Guideline 404  
Remarks: Based on available data, the classification criteria are not met.

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### Serious eye damage/eye irritation

**Product:**

Species: Rabbit

Method: OECD Test Guideline 405

Result: No eye irritation

Remarks: Based on available data, the classification criteria are not met.

### Respiratory or skin sensitisation

**Product:**

Test Type: Maximisation Test

Species: Guinea pig

Result: Does not cause skin sensitisation.

Remarks: Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative  
Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Method: OECD Test Guideline 474  
Result: negative  
Remarks: In vivo tests did not show mutagenic effects

Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### Carcinogenicity

**Product:**

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

### Reproductive toxicity

**Product:**

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

### STOT - single exposure

**Product:**

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Remarks: The substance or mixture is not classified.

### STOT - repeated exposure

#### Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

#### Product:

Species: Rat  
NOAEL: 15 mg/kg  
Application Route: Oral  
Method: OECD Test Guideline 407  
Remarks: Repeated dose (28 days) toxicity (oral)

### Aspiration toxicity

#### Product:

No aspiration toxicity classification

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 33 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 147.8 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 15 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301B

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Bioconcentration factor (BCF): 44.1



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Remarks: Bioaccumulation is unlikely.

### 12.4 Mobility in soil

**Product:**

Stability in soil : Remarks: Not expected to adsorb on soil.

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

### 12.6 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.  
Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Properly emptied, non-contaminated packaging of non-hazardous products can be supplied to a system for the collection of sales packaging.

## SECTION 14: Transport information

### 14.1 UN number

Not dangerous goods

### 14.2 UN proper shipping name

Not dangerous goods

### 14.3 Transport hazard class(es)

Not dangerous goods

### 14.4 Packing group

Not dangerous goods

### 14.5 Environmental hazards

Not dangerous goods

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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Remarks : Not applicable

### SECTION 15: Regulatory information

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

Other regulations:  
Other regulations  
not determined

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

### SECTION 16: Other information

#### Full text of other abbreviations

##### Further information

Other information : Information taken from reference works and the literature.  
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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

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1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

BE / EN