

WM 0900955 Order number: 0900955

Version 5.2 Revision Date 07.03.2022 Print Date 08.03.2022

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

1.1 Product identifier

Trade name : MORELLO LEDERFARBE ROT 40 ML

UFI

Identification number : 63383

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

Use of the Substance/Mixture : Colouring agent

1.3 Details of the supplier of the safety data sheet

Company : BNS International GmbH

Rheinallee 96 55120 Mainz

Telephone : +49613196404 Telefax : +4961319642515

E-mail address : Produktsicherheit@werner-mertz.com

Responsible/issuing person

Contact person : Product development / product safety

### 1.4 Emergency telephone number

112

Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342

+49(0)6131-19240

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

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

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Specific target organ toxicity - single exposure, Category 3, Central nervous

system

H336: May cause drowsiness or dizziness.

### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



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Hazard pictograms





Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Supplemental Hazard

Statements

EUH066

Repeated exposure may cause skin dryness or

cracking.

Precautionary statements : P102 Keep out of reach of children.

Prevention:

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking.

P261 Avoid breathing vapours.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/ doctor if you feel

unwell.

Disposal:

P501 Dispose of contents/ container to an approved

waste disposal plant.

Hazardous components which must be listed on the label: acetone

### **Additional Labelling:**

#### 2.3 Other hazards

No information available.

### **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

Chemical nature : Alcoholic solution

**Hazardous components** 

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		



MORELLO LEDERFARBE ROT 40 ML							
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acetone	67-64-1 200-662-2	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 40 - < 50				
ethanol	64-17-5 200-578-6 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319 SCL >= 50 % 2; H319	>= 25 - < 40				

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water. If symptoms persist, call a physician.

In case of eye contact : Protect unharmed eye.

If easy to do, remove contact lens, if worn.

Rinse immediately with plenty of water, also under the eyelids, for at

least 15 minutes.

If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Obtain medical attention.

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

Symptoms : Irritation

Risks : No information available.

## 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons

Information Service.



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## **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam, Carbon dioxide (CO2), Dry chemical

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

Specific hazards during

firefighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

firefighters

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

Further information : Use water spray to cool unopened containers. Collect contaminated

fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

#### SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Beware of vapours accumulating to form explosive concentrations.

Vapours can accumulate in low areas.

## 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

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

: Contain spillage, and then collect with non-combustible absorbent Methods for cleaning up

material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national

regulations (see section 13).



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## 6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours or spray mist. Avoid contact with skin and

eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take

precautionary measures against static discharges. Container may be opened only under exhaust ventilation hood. Open drum carefully as

content may be under pressure.

Advice on protection against fire

and explosion

Use explosion-proof equipment. Avoid formation of aerosol. Keep

away from sources of ignition - No smoking. Take measures to

prevent the build up of electrostatic charge.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

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

Requirements for storage areas

and containers

: Store in original container. Store in cool place. Containers which are

opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. Store at room temperature in the

original container.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Colouring agent

## **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

## **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
ACETONE	Not Assigned	TWA	500 ppm 1.210 mg/m3	2000/39/EC



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Further information: Indicative

## 8.2 Exposure controls

## Personal protective equipment

Eye protection : If splashes are likely to occur, wear:

Tightly fitting safety goggles

Hand protection

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN

374-1: 2003 (0,4 mm).

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer,

guarantee the same level of protection.

Remarks : Take note of the information given by the producer

concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of

contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.

Recommended Filter type:

according to Regulation (EC) No. 1907/2006



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ABEK-P3-filter

### **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : red

Odour : characteristic
Odour Threshold : No data available
pH : No data available
Melting point/range : No data available

Boiling point/boiling range : > 36 °C Flash point : -13,79 °C

Evaporation rate No data available Flammability (solid, gas) No data available Flammability (liquids) No data available Burning rate No data available Lower explosion limit No data available Upper explosion limit No data available Vapour pressure No data available Relative vapour density No data available Relative density : No data available ca. 0,855 g/cm3 Density

Water solubility : dispersible

Solubility in other solvents : No data available
Partition coefficient: n- : No data available
octanol/water

Ignition temperature : No data available
Thermal decomposition : No data available
Viscosity, dynamic : No data available
Viscosity, kinematic : No data available

according to Regulation (EC) No. 1907/2006



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Explosive properties : No data available

Oxidizing properties : No data available

#### 9.2 Other information

none

### **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions., No decomposition if

used as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : No data available

## 10.6 Hazardous decomposition products

Hazardous decomposition

products

: No hazardous decomposition products are known.

Other information : No hazardous decomposition products are known.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

Our company is strongly against animal testing.

Our company does not place any orders for animal testing for the finished product or the ingredients. However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

### **Product**

Skin corrosion/irritation : May cause skin irritation and/or dermatitis.

Serious eye damage/eye

irritation

: Vapours may cause irritation to the eyes, respiratory system and the

skin.

Causes serious eye irritation.

according to Regulation (EC) No. 1907/2006



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Respiratory or skin sensitisation : No data available

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT - single exposure : The substance or mixture is not classified as specific target organ

toxicant, single exposure.

STOT - repeated exposure : The substance or mixture is not classified as specific target organ

toxicant, repeated exposure.

Aspiration toxicity : Not Rated

Further information : Symptoms of overexposure may be headache, dizziness, tiredness,

nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

Components:

acetone 67-64-1:

Acute oral toxicity : LD50 Rat: 5.800 mg/kg

Acute inhalation toxicity : LC50 Rat: 101 mg/l

Exposure time: 5 h

Acute dermal toxicity : LD50 Rat: 20.000 mg/kg

LD50 Rabbit: 20.000 mg/kg

LD50 Guinea pig: > 7.400 mg/kg

Respiratory or skin sensitisation : Species: Guinea pig

Did not cause sensitisation on laboratory animals.

ethanol 64-17-5:

Acute oral toxicity : LD50 Oral Rat: 10.470 mg/kg

Method: OECD Test Guideline 401

LD50 Rat: 5.000 mg/kg

Method: OECD Test Guideline 401



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Acute inhalation toxicity : LC50 Rat: 51 mg/l

Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal Rabbit: > 2.000 mg/kg

Method: OECD Test Guideline 402

LD50 Dermal Rabbit: > 10.000 mg/kg Method: OECD Test Guideline 402

Skin corrosion/irritation : Species: Rabbit

Result: No skin irritation

Method: OECD Test Guideline 404

Serious eye damage/eye

irritation

: Species: Rabbit

Result: Mild eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation : Species: Mouse

Result: Does not cause skin sensitisation. Method: see user defined free text

Reproductive toxicity : Species: Rat

Application Route: Oral NOAEL: 5.200 mg/kg

Species: Rat

Application Route: Oral NOAEL: 13.800 mg/kg

Species: Rat

Application Route: Inhalation NOAEL: 30400 mg/m3

Repeated dose toxicity : Rat, male: NOAEL: > 20 mg/kg

Method: OECD Test Guideline 403

Rat, female: NOAEL: 1.730 mg/kg

Method: OECD Test Guideline 408

## **SECTION 12: Ecological information**

# 12.1 Toxicity

**Product:** 

Components:

acetone

according to Regulation (EC) No. 1907/2006



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67-64-1:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 8.300 mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 6.100 mg/l

Exposure time: 48 h
Test Type: Immobilization

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 7.000 mg/l

Exposure time: 120 h Test Type: static test

Toxicity to soil dwelling

organisms

: LC50: 0,2 - 1 mg/cm2 Exposure time: 48 h

Species: Eisenia fetida (earthworms)

ethanol 64-17-5:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l

Exposure time: 96 h

Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l

Exposure time: 48 h

LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l

Exposure time: 96 h

LC50 (Fish): 11.200 mg/l

Toxicity to daphnia and other

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 12.340 mg/l

Exposure time: 48 h

EC50: 5.012 mg/l

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l

Exposure time: 72 h
Test Type: Growth inhibition

Method: OECD Test Guideline 201

EC50 (Scenedesmus capricornutum (fresh water algae)): 12.900

mg/l

Exposure time: 48 h

Test Type: Growth inhibition Method: No information available.

EC0 (Scenedesmus quadricauda (Green algae)): 5.000 mg/l

Exposure time: 168 h

EC50: 4.432 mg/l

EC10: 11,5 mg/l

EC10: 280 mg/l

according to Regulation (EC) No. 1907/2006



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Toxicity to bacteria : EC50 (Pseudomonas putida): 11.800 mg/l

Exposure time: 16 h

Test Type: Cell multiplication inhibition test

## 12.2 Persistence and degradability

**Components:** 

acetone 67-64-1:

Biodegradability : Result: Readily biodegradable.

Biodegradation: 91 % Exposure time: 28 d

Chemical Oxygen Demand

(COD)

: 2.070 mg/g

ThOD : 2.200 mg/g

ethanol 64-17-5:

Biodegradability : Result: Readily biodegradable.

Biodegradation: 97 %

Method: OECD Test Guideline 301

# 12.3 Bioaccumulative potential

**Components:** 

acetone 67-64-1:

Bioaccumulation : Bioconcentration factor (BCF): 1

Remarks: Does not bioaccumulate.

Partition coefficient: n-

octanol/water

: log Pow: -0,24

ethanol 64-17-5:

Bioaccumulation : Concentration: 3,2 mg/l

Partition coefficient: n-

octanol/water

: log Pow: -0,32

## 12.4 Mobility in soil

Components:

ethanol 64-17-5:

Distribution among

environmental compartments

: Koc: 1Remarks: Highly mobile in soils

according to Regulation (EC) No. 1907/2006



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#### 12.5 Results of PBT and vPvB assessment

Not relevant

#### 12.6 Other adverse effects

**Product:** 

Additional ecological information : There is no data available for this product.

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with chemical or

used container.

In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

# **SECTION 14: Transport information**

14.1 UN number

 ADR
 : 1993

 IMDG
 : 1993

 IATA
 : 1993

14.2 Proper shipping name

**ADR** : FLAMMABLE LIQUID, N.O.S.

(acetone, ethanol)

**IMDG** : FLAMMABLE LIQUID, N.O.S.

(Acetone, Ethanol)

IATA : Flammable liquid, n.o.s.

14.3 Transport hazard class

 ADR
 : 3

 IMDG
 : 3

 IATA
 : 3

14.4 Packing group

ADR

Classification Code : F1
Packaging group : II
Hazard Identification Number : 33
Labels : 3
Tunnel restriction code : (D/E)

**IMDG** 

Packaging group : II Labels : 3

according to Regulation (EC) No. 1907/2006



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EmS Number : F-E, S-E

IATA

(Cargo) : Flammable liquid, n.o.s.

Packaging group : II Labels : 3

14.5 Environmental hazards

**ADR** 

Environmentally hazardous : no

**IMDG** 

Marine pollutant : no

**IATA** 

Environmentally hazardous : no

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

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

Not applicable for product as supplied.

### **SECTION 15: Regulatory information**

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous

chemicals

: Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Quantity 1 Quantity 2
P5c FLAMMABLE LIQUIDS 5.000 000067 50.000 000067

TA Luft List (Germany) : Total dust: Not applicable

: Inorganic substances in powdered form: Not applicable

: Inorganic substances in vapour or gaseous form: Not applicable

Organic Substances: Not applicableCarcinogenic substances: Not applicable

: Mutagenic: Not applicable

: Toxic to reproduction: Not applicable

Volatile organic compounds

(VOC) content

: Directive 2010/75/EU of 24 November 2010 on industrial emissions

(integrated pollution prevention and control)

Update: Percent volatile: 82,68 %



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717,16 g/l

VOC content excluding water

Volatile organic compounds

(VOC) content

Directive 2010/75/EU of 24 November 2010 on industrial emissions

(integrated pollution prevention and control)

Update: Percent volatile: 82,68 %

706,93 g/l

VOC content valid only for coating materials used on wood surfaces

## 15.2 Chemical safety assessment

There is no data available for this product.

### **SECTION 16: Other information**

#### **Full text of H-Statements**

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

## **Further information**

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Classification procedure: H225 On basis of test data.
H319 Calculation method

H336 Calculation method

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; AIIC -Australian Inventory of Industrial Chemicals; 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

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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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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.

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