

# **SAFETY DATA SHEET**

Version 6.11 Revision Date 10/30/2024 Print Date 10/31/2024

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

#### **1.1 Product identifiers**

Product nameAcetic acidProduct Number: A6283Brand: SIGALDIndex-No: 607-002-00-6

Index-No.	: 607-002-0
CAS-No.	: 64-19-7

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

Identified uses	: Laboratory chemicals, Synthesis of substances
Uses advised against	: The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

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

Company	:	Sigma-Aldrich Inc. 3050 SPRUCE ST ST. LOUIS MO 63103 UNITED STATES
Telephone	:	+1 314 771-5765
Fax	:	+1 800 325-5052
Emergency telephone		

# 1.4 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

# **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

# GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 3), H226 Skin corrosion (Category 1A), H314

SIGALD - A6283

Page 1 of 15



Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

# 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word	Danger
Hazard Statements H226 H314	Flammable liquid and vapor. Causes severe skin burns and eye damage.
Precautionary Statements	
P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated
	clothing. Rinse skin with water/ shower.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 +	IF IN EYES: Rinse cautiously with water for several minutes.
P310	Remove contact lenses, if present and easy to do. Continue
P363	rinsing. Immediately call a POISON CENTER/ doctor. Wash contaminated clothing before reuse.
P303 P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant
F370 + F378	foam to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

# **2.3 Hazards not otherwise classified (HNOC) or not covered by GHS** Lachrymator.

# SECTION 3: Composition/information on ingredients

3.2 Mixtures

Synonyms : Glacial acetic acid

Formula	:	$C_2H_4O_2$
Molecular weight	:	60.05 g/mol

SIGALD - A6283

Page 2 of 15



Component		Classification	Concentration
acetic acid			
CAS-No. EC-No. Index-No. Registration number	64-19-7 200-580-7 607-002-00-6 01-2119475328-30- XXXX	Flam. Liq. 3; Skin Corr. 1A; Eye Dam. 1; H226, H314, H318 Concentration limits: >= 90 %: Skin Corr. 1A, H314; 25 - < 90 %: Skin Corr. 1B, H314; 10 - < 25 %: Skin Irrit. 2, H315; 10 - < 25 %: Eye Irrit. 2, H319;	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

#### 4.1 Description of first-aid measures

#### **General advice**

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

#### If inhaled

After inhalation: fresh air. Call in physician.

#### In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

#### In case of eye contact

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

#### If swallowed

After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed** No data available

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SIGALD - A6283

Page 3 of 15



### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

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

Carbon oxides Not combustible. Forms explosive mixtures with air at elevated temperatures. Ambient fire may liberate hazardous vapours.

#### 5.3 **Advice for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

#### 5.4 Further information

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

#### SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures 6.1 Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

#### 6.2 **Environmental precautions**

Do not let product enter drains. Risk of explosion.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent and neutralising material (e.g. Chemizorb® H<sup>+</sup>, Merck Art. No. 101595). Dispose of properly. Clean up affected area.

6.4 **Reference to other sections** For disposal see section 13.

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

# Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

#### **Hygiene measures**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

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

#### Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

SIGALD - A6283

Page 4 of 15



Moisture sensitive.

# Storage class

Storage class (TRGS 510): 3: Flammable liquids

# 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

# SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### Ingredients with workplace control parameters

Ingrealents wi	<u>тп workplace</u>	<u>e control p</u>	arameters	
Component	CAS-No.	Value	Control parameters	Basis
acetic acid	64-19-7	TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	15 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	10 ppm 25 mg/m3	USA. NIOSH Recommended Exposure Limits
		ST	15 ppm 37 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	10 ppm 25 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		PEL	10 ppm 25 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		C	40 ppm	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		STEL	15 ppm 37 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

## 8.2 Exposure controls

#### Appropriate engineering controls

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

# Personal protective equipment

# Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

SIGALD - A6283

Page 5 of 15



#### **Skin protection**

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact

Material: butyl-rubber Minimum layer thickness: 0.7 mm Break through time: 480 min Material tested:Butoject® (KCL 898)

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Splash contact

Material: Latex gloves Minimum layer thickness: 0.6 mm Break through time: 30 min Material tested:Lapren® (KCL 706 / Aldrich Z677558, Size M)

### **Body Protection**

Flame retardant antistatic protective clothing.

### **Respiratory protection**

Recommended Filter type: filter E-(P2)

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

#### **Control of environmental exposure**

Do not let product enter drains. Risk of explosion.

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

#### 9.1 Information on basic physical and chemical properties

a)	Appearance	Form: liquid Color: colorless
b)	Odor	stinging
c)	Odor Threshold	0.2 ppm
d)	рН	2.5 at 50 g/l at 20 °C (68 °F)
e)	Melting point/freezing point	Melting point/ range: 16.2 °C (61.2 °F) - lit.
f) SIGALD - A	Initial boiling point 6283	117 - 118 °C 243 - 244 °F - lit.

Page 6 of 15



and boiling range

g)	Flash point	()Not applicable
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or	Upper explosion limit: 19.9 %(V)
	explosive limits	Lower explosion limit: 4 %(V)
k)	Vapor pressure	20.79 hPa at 25 °C (77 °F)
I)	Vapor density	2.07
m)	Density	1.049 g/cm3 at 25 °C (77 °F) - lit.
	Relative density	No data available
n)	Water solubility	602.9 g/l at 25 °C (77 °F) at 1,013 hPa - completely soluble
o)	Partition coefficient: n-octanol/water	log Pow: -0.17 at 25 °C (77 °F) - Bioaccumulation is not expected., (ECHA)
p)	Autoignition temperature	463 °C (865 °F) Not applicable
q)	Decomposition temperature	Distillable in an undecomposed state at normal pressure.
r)	Viscosity	1.17 mm2/s at 20 °C (68 °F) -
s)	Explosive properties	Not classified as explosive.
t)	Oxidizing properties	none
Otł	ner safety informatio	n
	Surface tension	28.8 mN/m at 10.0 °C (50.0 °F)

# 9.2

Surface tension	28.8 mN/m at 10.0 °C (50.0 °F)
Relative vapor density	2.07

# **SECTION 10: Stability and reactivity**

# **10.1 Reactivity**

Vapor/air-mixtures are explosive at intense warming.

# **10.2** Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

# **10.3** Possibility of hazardous reactions

Risk of explosion with: peroxi compounds perchloric acid fuming sulfuric acid phosphorus halides hydrogen peroxide

SIGALD - A6283

Page 7 of 15



chromium(VI) oxide potassium permanganate Peroxides Strong oxidizing agents Risk of ignition or formation of inflammable gases or vapours with: Iron Zinc magnesium Mild steel Possible formation of: Hydrogen Violent reactions possible with: strong alkalis Aldehydes alkali hydroxides nonmetallic halides ethanolamine Acetaldehyde Alcohols halogen-halogen compounds chlorosulfonic acid chromosulfuric acid Potassium hydroxide Nitric acid

# **10.4 Conditions to avoid**

Heating.

- **10.5 Incompatible materials** No data available
- **10.6 Hazardous decomposition products** In the event of fire: see section 5

# SECTION 11: Toxicological information

# 11.1 Information on toxicological effects

#### Mixture

#### Acute toxicity

Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. LD50 Oral - Rat - 3,310 mg/kg Remarks: (RTECS) Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract LC50 Inhalation - Mouse - 4 h - 2,819 mg/l - vapor

Remarks: (RTECS) Dermal: No data available

SIGALD - A6283

Page 8 of 15



# Skin corrosion/irritation

Remarks: Mixture causes severe burns. Skin - Rabbit Result: Causes burns. - 4 h (OECD Test Guideline 404) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

### Serious eye damage/eye irritation

Remarks: Mixture causes serious eye damage. Risk of blindness! Eyes - Rabbit Result: Causes burns. - 4 h (OECD Test Guideline 405) Remarks: (IUCLID) Remarks: Causes serious eye damage.

#### **Respiratory or skin sensitization**

No data available

### Germ cell mutagenicity

Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative

Test Type: Micronucleus test Species: Rat Cell type: Bone marrow Application Route: inhalation (vapor) Method: Mutagenicity (micronucleus test) Result: negative

#### Carcinogenicity

- IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### **Reproductive toxicity**

No data available

#### Specific target organ toxicity - single exposure No data available

# Specific target organ toxicity - repeated exposure

No data available

SIGALD - A6283

Page 9 of 15



## Aspiration hazard

No data available

#### **11.2 Additional Information**

#### RTECS: AF1225000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Ingestion or inhalation of concentrated acetic acid causes damage to tissues of the respiratory and digestive tracts. Symptoms include: hematemesis, bloody diarrhea, edema and/or perforation of the esophagus and pylorus, pancreatitis, hematuria, anuria, uremia, albuminuria, hemolysis, convulsions, bronchitis, pulmonary edema, pneumonia, cardiovascular collapse, shock, and death. Direct contact or exposure to high concentrations of vapor with skin or eyes can cause: erythema, blisters, tissue destruction with slow healing, skin blackening, hyperkeratosis, fissures, corneal erosion, opacification, iritis, conjunctivitis, and possible blindness.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

#### Components

#### acetic acid

#### Acute toxicity

LD50 Oral - Rat - 3,310 mg/kg Remarks: (RTECS) LC50 Inhalation - Mouse - 4 h - 2,819 mg/l - vapor Remarks: (RTECS) Dermal: No data available

#### Skin corrosion/irritation

Skin - Rabbit Result: Causes burns. - 4 h (OECD Test Guideline 404) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

#### Serious eye damage/eye irritation

Eyes - Rabbit Result: Causes burns. - 4 h (OECD Test Guideline 405) Remarks: (IUCLID) Remarks: Causes serious eye damage.

SIGALD - A6283

Page 10 of 15



#### **Respiratory or skin sensitization**

No data available

# Germ cell mutagenicity

Test Type: Ames test Test system: Salmonella typhimurium Result: negative Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells Result: negative Method: Mutagenicity (micronucleus test) Species: Rat - male and female - Bone marrow Result: negative

#### Carcinogenicity

No data available

#### **Reproductive toxicity**

No data available

#### Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

### **Aspiration hazard**

No data available

# SECTION 12: Ecological information

#### 12.1 Toxicity

#### Mixture

Toxicity to fish	semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 1,000 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 1,000 mg/l $$ - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test EC50 - Skeletonema costatum - > 1,000 mg/l - 72 h (ISO 10253)
Toxicity to bacteria	EC5 - Pseudomonas putida - 2,850 mg/l - 16 h Remarks: neutral (maximum permissible toxic concentration) (Lit.)
	microtox test EC50 - Photobacterium phosphoreum - 11 mg/l - 15 min Remarks: (IUCLID)

SIGALD - A6283

Page 11 of 15



### 12.2 Persistence and degradability

Biodegradability

Result: 99 % - Readily biodegradable. (OECD Test Guideline 301D) Remarks: (HSDB)

Result: 95 % - Readily eliminated from water (OECD Test Guideline 302B)

Biochemical Oxygen	880 mg/g
Demand (BOD)	Remarks: (Lit.)
Ratio BOD/ThBOD	76 % Remarks: (IUCLID)

#### **12.3 Bioaccumulative potential** No data available

**12.4 Mobility in soil** No data available

#### 12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### **12.6 Endocrine disrupting properties** No data available

# 12.7 Other adverse effects

### Components

# acetic acid

cic aciu	
Toxicity to fish	semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 1,000 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test EC50 - Skeletonema costatum - > 1,000 mg/l - 72 h (ISO 10253)
Toxicity to bacteria	EC5 - Pseudomonas putida - 2,850 mg/l - 16 h Remarks: neutral (maximum permissible toxic concentration) (Lit.)
	microtox test EC50 - Photobacterium phosphoreum - 11 mg/l - 15 min Remarks: (IUCLID)

SIGALD - A6283

Page 12 of 15



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

#### **13.1 Waste treatment methods**

#### Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

#### **SECTION 14: Transport information**

#### DOT (US)

UN number: 2789 Class: 8 (3) Packing group: II Proper shipping name: Acetic acid, glacial Reportable Quantity (RQ): 5000 lbs Poison Inhalation Hazard: No

#### IMDG

UN number: 2789 Class: 8 (3) Packing group: II EMS-No: F-E, S-C Proper shipping name: ACETIC ACID, GLACIAL

#### ΙΑΤΑ

UN number: 2789 Class: 8 (3) Packing group: II Proper shipping name: Acetic acid, glacial

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

#### **CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
acetic acid	64-19-7	5000	5000

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

# SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Fire Hazard Acute Health Hazard Chronic Health Hazard
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SIGALD - A6283

Page 13 of 15



# **Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):							
acetic acid	64-19-7	>= 90 - <= 100 %					
Clean Water Act							
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act							
Section 307 This product does not contain any priority pollutants related to the U.S. Clean Water Act The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:							
acetic acid The following Hazardous Che Table 117.3:	64-19-7 emicals are listed unde	>= 90 - <= 100 % er the U.S. CleanWater Act, Section 311,					
acetic acid	64-19-7	>= 90 - <= 100 %					
US State Regulations							
Massachusetts Right To K	now						
acetic acid		64-19-7					
Pennsylvania Right To Kn	ow						
acetic acid		64-19-7					
Maine Chemicals of High	Concern						
Product does not contain any listed chemicals							
Vermont Chemicals of High Concern							
Product does not contain any listed chemicals							
Washington Chemicals of High Concern							
Product does not contain any listed chemicals							
The ingredients of this product are reported in the following inventories:TSCA: All substances listed as active on the TSCA inventory							

# **TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

# **SECTION 16: Other information**

# **Further information**

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture

SIGALD - A6283

Page 14 of 15



and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Copyright 2020 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.

The branding on the header and/or footer of this document may temporarily not visually<br/>match the product purchased as we transition our branding. However, all of the<br/>information in the document regarding the product remains unchanged and matches the<br/>product ordered. For further information please contact mlsbranding@sial.com.<br/>Version: 6.11Revision Date: 10/30/2024Print Date: 10/31/2024

SIGALD - A6283

Page 15 of 15

