



The Power to Question

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.

Revision date 24-Oct-2022

Version 1.1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

Product Name	2-Methyl-2-nitropropane
Product Code	SC-230506
EC No	209-851-4
CAS No	594-70-7
Pure substance/mixture	Substance
Contains 2-Methyl-2-nitropropane	

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

For research use only. Not intended for diagnostic or therapeutic use.

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

Santa Cruz Biotechnology, Inc.  
10410 Finnell Street  
Dallas, TX 75220  
831.457.3800  
800.457.3801  
scbt@scbt.com

Santa Cruz Biotechnology, Inc.  
Bergheimer Str. 89-2  
69115 Heidelberg, Germany  
+49.6221.4503 0  
+1.800.457.3801  
europe@scbt.com

### 1.4. Emergency telephone number

Chemtrec  
1.800.424.9300 (Within USA)  
+1.703.527.3887 (Outside USA)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation  
Serious eye damage/eye irritation  
Specific target organ toxicity (single exposure)  
Flammable solids

Category 2 - (H315)  
Category 2 - (H319)  
Category 3 - (H335)  
Category 1 - (H228)

### 2.2. Label Elements

Contains 2-Methyl-2-nitropropane  
Signal word

Danger

Symbols/Pictograms



Hazard statements

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H228 - Flammable solid

Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water



P321 - Specific treatment (see Emergency Phone Number on this label)  
 P332 + P313 - If skin irritation occurs: Get medical advice/attention  
 P362 - Take off contaminated clothing and wash before reuse  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337 + P313 - If eye irritation persists: Get medical advice/attention  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P271 - Use only outdoors or in a well-ventilated area  
 P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P312 - Call a POISON CENTER or doctor if you feel unwell  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
 P405 - Store locked up  
 P501 - Dispose of contents/ container to an approved waste disposal plant  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 P240 - Ground/bond container and receiving equipment  
 P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

### 2.3. Other Hazards

General Hazards

Not applicable

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Weight 103.12  
 Formula  $C_4H_9NO_2$

### 3.1 Substances

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-Methyl-2-nitropropane	Present	594-70-7	100	Flam. Sol. 1 (H228) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General advice Consult a physician if necessary.  
 Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.  
 Skin Contact Wash skin with soap and water.  
 Eye contact Wash with plenty of water.  
 Ingestion Never give anything by mouth to an unconscious person. Clean mouth with water.

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

Symptoms No information available.





Derived No Effect Level (DNEL) No information available  
 Predicted No Effect Concentration (PNEC) No information available.

## 8.2. Exposure controls

Engineering Controls	Showers Eyewash stations Ventilation systems
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Wear protective gloves and protective clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Environmental exposure controls	No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Low-Melting Solid
Appearance	No information available
Odor	No information available

<u>Property</u>	<u>Values</u>
pH	No information available
Melting point/freezing point	24 °C
Boiling point	126 °C
Flash point	19 °C
Liquid Density	No information available
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	3.5
Specific gravity	.950
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity	Not applicable
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### 10.2. Chemical stability

Stability	Stable under recommended storage conditions.
Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization	No information available.
Possibility of Hazardous Reactions	None under normal processing.

### 10.4. Conditions to avoid



Conditions to avoid Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

Incompatible materials Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx).

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity May cause long lasting harmful effects to aquatic life.

Unknown aquatic toxicity 100% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

### 12.2. Persistence and degradability

Persistence and degradability No information available.

### 12.3. Bioaccumulative potential

Bioaccumulation No information available.

### 12.4. Mobility in soil

Mobility No information available.

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

### 12.6. Other adverse effects

Other adverse effects No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

## Section 14: TRANSPORT INFORMATION

RID / ADR

IMDG

ICAO (air) / IATA



	UN1325	UN1325	UN1325
14.1 UN/ID no	UN1325	UN1325	UN1325
14.2 Proper shipping name	Flammable solid, organic,	Flammable solid, organic,	Flammable solid, organic,
	n.o.s.	n.o.s.	n.o.s.
14.3 Hazard Class	4.1	4.1	4.1
Subsidiary hazard class / Labels	-	-	-
14.4 Packing Group	II	II	II
14.5 Environmental Hazard	-	-	-
14.6 Special Provisions	274	274	A3, A803
	Classification code F1	EmS-No F-A, S-G	ERG Code 3L
	Tunnel restriction code (E)		

## Section 15: REGULATORY INFORMATION

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

#### National Regulations

##### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### International Inventories

All of the components in the product are on the following Inventory lists

TSCA (United States): Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP)

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
2-Methyl-2-nitropropane	X	-	X	X	-	-	-	-	-	-

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

### 15.2. Chemical safety assessment

Chemical Safety Report No information available

## Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H228 - Flammable solid  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H335 - May cause respiratory irritation  
 No information available.

Revision note

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

#### Disclaimer

The information provided in this Material 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.

**End of Safety Data Sheet**