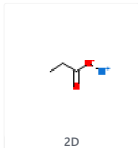


Propionato de sodio


PubChem CID	2723816
Estructura	 <p>2D</p> <p>Encuentra estructuras similares</p>
Sinónimos	PROPIONATO DE SODIO 137-40-6 Propanoato de sodio Sal sódica del ácido propiónico Ácido propanoico, sal de sodio <input type="button" value="Más..."/>
Fórmula molecular	C ₃ H ₅ O ₂ Na o CH ₃ CH ₂ COONa o C ₃ H ₅ NaO ₂
Peso molecular	96,06 g / mol

[Más Información Sobre El Proyecto LCSS >](#)

1 Clasificación GHS



Mostrando 1 de 2 Ver más

Pictograma (s)	 Irritant
Señal	Advertencia
Declaraciones de peligro GHS	H312 (87,07%): Nocivo en contacto con la piel [Advertencia Toxicidad aguda, cutánea] H315 (42,86%): Provoca irritación cutánea [Advertencia Corrosión / irritación cutáneas] H319 (55,78%): Provoca irritación ocular grave [Advertencia Lesiones o irritación ocular graves] H335 (42,86%): Puede irritar las vías respiratorias [Advertencia Toxicidad sistémica específica de órganos diana, exposición única; Irritación del tracto respiratorio]
Códigos de declaración de precaución	P261, P264, P271, P280, P302 + P352, P304 + P340, P305 + P351 + P338, P312, P321, P322, P332 + P313, P337 + P313, P362, P363, P403 + P233, P405 y P501 (La declaración correspondiente a cada código P se puede encontrar en la página de Clasificación GHS).
Resumen de notificaciones ECHA C&L	<i>Información agregada del SGA proporcionada por 348 empresas a partir de 11 notificaciones al Inventario C&L de la ECHA. Cada notificación puede estar asociada a varias empresas. 201 de 348 empresas informadas que no cumplen con los criterios de peligro del GHS. Para obtener información más detallada, visite el sitio web de ECHA C&L. De las 9 notificaciones proporcionadas por 147 de 348 empresas con códigos de indicación de peligro. La información puede variar entre notificaciones según las impurezas, los aditivos y otros factores. El valor porcentual entre paréntesis indica el índice de clasificación notificado de las empresas que proporcionan códigos de peligro. Solo se muestran los códigos de peligro con valores porcentuales superiores al 10%.</i>

[► Agencia Europea de Sustancias y Preparados Químicos \(ECHA\)](#)

2 identificadores



2.1 CAS



137-40-6

► ChemIDplus; EPA Chemicals bajo TSCA; EPA DSSTox; Agencia Europea de Sustancias y Preparados Químicos (ECHA); Banco de datos de sustancias peligrosas (HSDB); Tarjetas internacionales de seguridad de las sustancias qu

63785-15-9

► ChemIDplus; EPA Chemicals bajo TSCA; Agencia Europea de Sustancias y Preparados Químicos (ECHA)

2.2 InChI



InChI = 1S / C3H6O2.Na / c1-2-3 (4) 5; / h2H2,1H3, (H, 4,5); / q; + 1 / p-1

Calculado por InChI 1.0.5 (versión PubChem 2019.06.18)

► PubChem

2.3 Tecla InChI



JXKPEJDQGNYSM-UHFFFAOYSA-M

Calculado por InChI 1.0.5 (versión PubChem 2019.06.18)

► PubChem

3 propiedades físicas



3.1 Descripción física



Showing 2 of 3 [View More](#)

DryPowder

▶ [EPA Chemicals under the TSCA](#)

White crystalline hygroscopic powder, or a fine white powder

▶ [EU Food Improvement Agents](#)

3.2 Odor



ODORLESS, OR HAS FAINT ACETIC-BUTYRIC ODOR

Osol, A. and J.E. Hoover, et al. (eds.). Remington's Pharmaceutical Sciences. 15th ed. Easton, Pennsylvania: Mack Publishing Co., 1975., p. 1168

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

3.3 Melting Point



210 °C

▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

3.4 Flash Point



>250 °C o.c.

▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

3.5 Solubility



Showing 2 of 4 [View More](#)

5.20 M

MERCK INDEX (1996)

▶ [EPA DSSTox](#)

1 g dissolves in about 1 ml water, in about 0.65 ml boiling water, in about 24 ml alcohol @ 25 °C

Budavari, S. (ed.). The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals. Whitehouse Station, NJ: Merck and Co., Inc., 1996., p. 1482

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

3.6 Decomposition



When heated to decomposition it emits toxic fumes of /disodium oxide/.

Lewis, R.J. Sax's Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996., p. 2992

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

4 Toxicity Data



4.1 Non-Human Toxicity Values



LD50 Mouse oral 6332 mg/kg

Lewis, R.J. Sax's Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996., p. 2992

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

LD50 Mouse sc 2100 mg/kg

Lewis, R.J. Sax's Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996., p. 2992

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

LD50 Rabbit skin 1640 mg/kg

Lewis, R.J. Sax's Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996., p. 2992

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

5 Exposure Limits



5.1 Allowable Tolerances



Sodium propionate is exempted from the requirement of a tolerance for residues when used as follows: (a) as a fungicide in the production of garlic; and (b) for postharvest application as a preservative on salad greens and vegetables intended for consumption as salads.

40 CFR 180.1015 (7/1/98)

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

Residues of sodium propionate are exempted from the requirement of a tolerance when used as a preservative for formulation in accordance with good agricultural practices as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops or to raw agricultural commodities after harvest.

40 CFR 180.1001(c) (7/1/98)

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

6 Health and Symptoms

6.1 Physical Dangers

Dust explosion possible if in powder or granular form, mixed with air.

▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

6.2 Chemical Dangers

Decomposes on heating. This produces toxic and corrosive fumes of [sodium oxide](#). The solution in [water](#) is a weak base.

▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

6.3 Fire Hazards

Combustible. Gives off irritating or toxic fumes (or gases) in a fire. Finely dispersed particles form explosive mixtures in air.

▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

6.4 Fire Potential

Combustible

Lewis, R.J., Sr (Ed.). Hawley's Condensed Chemical Dictionary. 12th ed. New York, NY: Van Nostrand Rheinhold Co., 1993, p. 1067

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

6.5 Skin, Eye, and Respiratory Irritations

SODIUM PROPIONATE IS NOT IRRITATING WHEN USED CLINICALLY AS DUSTING POWDER FOR CONTROL OF FUNGUS INFECTIONS.

Patty, F. (ed.). Industrial Hygiene and Toxicology: Volume II: Toxicology. 2nd ed. New York: Interscience Publishers, 1963., p. 1780

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

7 First Aid



7.1 Inhalation First Aid



Fresh air, rest.

- ▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

7.2 Skin First Aid



Rinse skin with plenty of [water](#) or shower.

- ▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

7.3 Eye First Aid



Rinse with plenty of [water](#) (remove contact lenses if easily possible).

- ▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

7.4 Ingestion First Aid



Rinse mouth. Give one or two glasses of [water](#) to drink.

- ▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

8 Storage and Handling



8.1 Safe Storage



Dry. Well closed.

▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

9 Cleanup and Disposal



9.1 Spillage Disposal



Personal protection: particulate filter respirator adapted to the airborne concentration of the substance. Sweep spilled substance into covered containers. If appropriate, moisten first to prevent dusting. Wash away remainder with plenty of [water](#).

▶ [ILO International Chemical Safety Cards \(ICSC\)](#)

9.2 Disposal Methods



SRP: At the time of review, criteria for land treatment or burial (sanitary landfill) disposal practices are subject to significant revision. Prior to implementing land disposal of waste residue (including waste sludge), consult with environmental regulatory agencies for guidance on acceptable disposal practices.

▶ [Hazardous Substances Data Bank \(HSDB\)](#)

10 Additional Considerations



10.1 Toxic Combustion Products



... WILL EMIT ACRID FUMES IF HEATED TO HIGH TEMPERATURES.

Furia, T.E. (ed.). CRC Handbook of Food Additives. 2nd ed. Cleveland: The Chemical Rubber Co., 1972., p. 141

► [Hazardous Substances Data Bank \(HSDB\)](#)

11 Information Sources



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ALL SOURCES

1. ChemIDplus

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<https://www.nlm.nih.gov/copyright.html>*Sodium propionate anhydrous*<https://chem.nlm.nih.gov/chemidplus/sid/0000137406>*Propanoic acid, sodium salt (2:1)*<https://chem.nlm.nih.gov/chemidplus/sid/0063785159>

2. EPA Chemicals under the TSCA

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<https://www.epa.gov/privacy/privacy-act-laws-policies-and-resources>*Propanoic acid, sodium salt (1:1)*<https://www.epa.gov/chemicals-under-tsca>

3. EPA DSSTox

LICENSE

<https://www.epa.gov/privacy/privacy-act-laws-policies-and-resources>*Sodium propionate*<https://comptox.epa.gov/dashboard/DTXSID7021996>

4. European Chemicals Agency (ECHA)

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<https://echa.europa.eu/web/guest/legal-notice>*Sodium propionate*<https://echa.europa.eu/substance-information/-/substanceinfo/100.004.810>*Sodium hydrogen dipropionate*<https://echa.europa.eu/substance-information/-/substanceinfo/100.058.582>*Sodium propionate*<https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/104452>

5. Hazardous Substances Data Bank (HSDB)

SODIUM PROPIONATE

<https://pubchem.ncbi.nlm.nih.gov/source/hsdb/766>

6. ILO International Chemical Safety Cards (ICSC)

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<https://www.ilo.org/global/copyright/request-for-permission/lang-en/index.htm>

SODIUM PROPIONATE

https://www.ilo.org/dyn/icsc/showcard.display?p_version=2&p_card_id=0557

7. El Instituto Nacional de Seguridad y Salud Ocupacional (NIOSH)

LICENCIA

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<https://www.cdc.gov/Other/disclaimer.html>*Ácido propiónico, sal de sodio*<https://www.cdc.gov/niosh-rtecs/UF72D288.html>

8. Agentes de mejora alimentaria de la UE

PROPIONATO DE SODIO

<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32012R0231>

9. Sistema de información sobre sustancias químicas peligrosas (HCIS), Safe Work Australia

Ácido propanoico, sal de sodio<http://hcis.safeworkaustralia.gov.au/HazardousChemical/Details?chemicalID=5482>

10. PubChem

<https://pubchem.ncbi.nlm.nih.gov>