

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

Product code 22349
Product name SIA: N-Succinimidyl Iodoacetate, 50 mg

Company/undertaking identification

Life Technologies Corporation
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24 hour Emergency Response:

1800 636 327 (Australia)
 0800 636 327 (New Zealand)

866-536-0631 (US)
301-431-8585 (US)
++1-301-431-8585 (Outside of the U.S.)

Country specific Emergency Number (if available):

CHEMTREC Israel (Tel Aviv)	+(972)-37630639 (Greeting Language: Hebrew)
CHEMTREC Malaysia	1-800-815-308 (Toll Free) (Greeting Language: Malay)
CHEMTREC Malaysia (Kuala Lumpur)	+(60)-327884561 (Greeting Language: Malay)
CHEMTREC Philippines	1-800-1-116-1020 (Toll Free) (Greeting Language: Tagalog)
CHEMTREC Philippines (Manila)	+(63) 632-395-3308 (Greeting Language: Tagalog)
CHEMTREC Saudi Arabia	+(966)-8111095861 (Greeting Language: Arabic and English)
CHEMTREC Singapore	800-101-2201 (Toll Free) (Greeting Language: English and Mandarin)
CHEMTREC Singapore	+(65)-31581349 (Greeting Language: English and Mandarin)
CHEMTREC Australia (Sydney)	+(61)-290372994 (Greeting Language: English)
CHEMTREC New Zealand (Auckland)	+(64)-98010034 (Greeting Language: English)
CHEMTREC South Africa	0-800-983-611 (Greeting Language: English)

Use as laboratory reagent. Scientific research and development.

SECTION 2: Hazards identification

Australian MSDS Statement Classified according to the criteria of Worksafe Australia. Hazardous Substance. Non-Dangerous Goods.

GHS - Classification

Signal word

Warning



Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3

Physical hazards

Not classified

hazard statements

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

Precautionary Statements

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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P332 + P313 - If skin irritation occurs: Get medical advice/attention
P337 + P313 - If eye irritation persists: Get medical advice/attention
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

Xn.wmf

**Principle Routes of Exposure/
Potential Health effects**

eyes	Irritating to eyes.
Skin	Irritating to skin.
Inhalation	May cause irritation of respiratory tract.
INGESTION	May be harmful if swallowed.
Injection	May be harmful if injected.

Specific effects

Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitisation	None.
Target Organ Effects	No information available

SECTION 3: Composition/information on ingredients

Component	CAS-No.	EINECS-No.	Weight percent
N-Hydroxysuccinimidyl iodoacetate 39028-27-8 (98-100)	39028-27-8	-	98-100

We recommend handling all chemicals with caution.

SECTION 4: First aid measures

Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before re-use. Immediate medical attention is required.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
INGESTION	Call a doctor or poison control centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Call a doctor or poison control centre immediately.
Most important symptoms and effects, both acute and delayed	
H315 - Causes skin irritation, H319 - Causes serious eye irritation, H335 - May cause respiratory irritation	

Notes to Physician	Treat symptomatically.
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SECTION 5: Firefighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.
Specific hazards arising from the chemical	Not known

SECTION 6: Accidental release measures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Environmental precautions

No special environmental precautions required.

See Section 12 for more information.

SECTION 7: Handling and storage

Handling Always wear recommended Personal Protective Equipment. Wear personal protective equipment.

Storage Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

SECTION 8: Exposure controls/personal protection

Exposure Limits

Chemical Name	Australia STEL	Australia	Australia - Skin Absorbers	Australia - OES - Peak
N-Hydroxysuccinimidyl iodoacetate 39028-27-8	None	None	None	None

Chemical Name	China OEL	China - Skin Absorbers	Hong Kong OEL
N-Hydroxysuccinimidyl iodoacetate 39028-27-8	None	None	None

Chemical Name	Korea OEL (CEILING)	Korea OEL (TWA)	Korea OEL (STEL)
N-Hydroxysuccinimidyl iodoacetate 39028-27-8	None	None	None

Chemical Name	Taiwan OEL - TWA	Taiwan OEL (Skin notations, Carcinogens)	Taiwan OEL (STELs)	Taiwan OEL (Ceilings)
N-Hydroxysuccinimidyl iodoacetate 39028-27-8	None		None	

Chemical Name	Singapore OEL (PEL)	Singapore OEL (STEL)
N-Hydroxysuccinimidyl iodoacetate 39028-27-8	None	None

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection Impervious gloves.

Eye protection Safety glasses with side-shields.

Skin and body protection
Hygiene measures

Lightweight protective clothing.
Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure
controls

No special environmental precautions required.

SECTION 9: Physical and chemical properties

General information

Form	powder	
Appearance	No information available	
Odour	Mixture has not been tested	
Odour Threshold	Mixture has not been tested	
Boiling point / boiling range	°C no data available	°F no data available
Melting point / melting range	°C no data available	°F no data available
flash point	°C no data available	°F no data available
Autoignition temperature	°C no data available	°F no data available
Evaporation rate	no data available	
Flammability (solid, gas)	no data available	
Oxidising properties	Mixture has not been tested	
Water solubility	no data available	
Upper explosion limit	no data available	
Lower explosion limit	no data available	
Partition coefficient: n-octanol/water	no data available	
Vapour Pressure	no data available	
vapour density	no data available	
Viscosity	Mixture has not been tested	
pH value	no data available	

SECTION 10: Stability and reactivity

Stability	Stable under normal conditions.
Materials to avoid	No information available.
Possibility of hazardous reactions	Hazardous reaction has not been reported
Hazardous decomposition products	No information available.
polymerisation	Hazardous polymerisation does not occur.
Conditions to avoid	None under normal processing.

SECTION 11: Toxicological information

Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
N-Hydroxysuccinimidyl iodoacetate	no data available	no data available	no data available

Principle Routes of Exposure/

Potential Health effects

eyes	Irritating to eyes.
Skin	Irritating to skin.
Inhalation	May cause irritation of respiratory tract.
INGESTION	May be harmful if swallowed.
Injection	May be harmful if injected.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitisation	None.
Target Organ Effects	No information available

SECTION 12: Ecological information

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA

Proper Shipping Name	Not classified as dangerous in the meaning of transport regulations.
Hazard Class	None
Subsidiary class	None
Packing group	None
UN-No	None

SECTION 15: Regulatory information

International Inventories

Chemical Name	US TSCA	Canada (DSL)	NDSL	PICCS (Philippines)
N-Hydroxysuccinimidyl iodoacetate	-	-	-	-

Chemical Name	ENCS (Japan)	IECSC - China Inventory of Existing Chemical Substances	South Korea (KECL)	AICS (Australia)
N-Hydroxysuccinimidyl iodoacetate	-	-	-	-

Chemical Name	NZIoC - New Zealand Inventory of Chemicals	EINECS (European Union)	ELINCS (European List of Notified Chemical Substances)
N-Hydroxysuccinimidyl iodoacetate		-	-

Korea

No information available.

Taiwan

Chemical Name	Toxic Chemical Substances Control Act - Classification and Control Levels	Toxic Chemical Substances Control Act - Threshold Regulated Quantities	Hazard Prevention Standard for Specified Chemical Substances
N-Hydroxysuccinimidyl iodoacetate	Not Listed	Not Listed	Not Listed

China

No information available

SECTION 16: Other information

Reason for revision SDS sections updated.

Use as laboratory reagent. Scientific research and development.

References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database

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End of Safety Data Sheet