

Safety Data Sheet

HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

SECTION 1. IDENTIFICATION

Product name : HEDTA NA3 45%

Synonyms : No data available

Restricted Uses : No data available

Manufacturer or supplier's details

Company : Univar Solutions Canada Ltd.
Address : 64 Arrow Road
 North York, ON, M9M 2L9
 Canada

Emergency telephone number:

Local Emergency Contact : During Office hours Monday-Friday, 8.00 am - 4.30 pm (Pacific Standard Time) : 1-866-686-4827

Additional Information: : Responsible Party: Product Compliance Department
 E-mail: SDSNA@univarsolutions.com
 SDS Requests: 1-855-429-2661
 Website: www.univarsolutions.com

SECTION 2. HAZARD IDENTIFICATION

Hazardous Classification of the substance or mixture

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1B

Serious eye damage : Category 1

Carcinogenicity : Category 2

Label elements

Hazard pictograms



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H351 Suspected of causing cancer.

Precautionary statements : **Prevention:**
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/ protective clothing/ eye protection/

Safety Data Sheet

HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

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.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	% by Weight	Synonyms
139-89-9	Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(2-hydroxyethyl)-, sodium salt (1:3)	50 - 70	Glycine, N-[2-[bis(carboxymethyl)amino]ethyl]-N-(2-hydroxyethyl)-, sodium salt (1:3)
1310-73-2	Sodium hydroxide	5 - 10	Sodium hydroxide
5064-31-3	Glycine, N,N-bis(carboxymethyl)-, sodium salt (1:3)	5 - 10	Glycine, N,N-bis(carboxymethyl)-, sodium salt (1:3)

The exact ranges of this mixture are being withheld due to a Trade Secret.

SECTION 4. FIRST-AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.

Safety Data Sheet

HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

If inhaled	Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
	: If unconscious, place in recovery position and seek medical advice.
In case of skin contact	If symptoms persist, call a physician.
	: Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
In case of eye contact	If on skin, rinse well with water.
	If on clothes, remove clothes.
If swallowed	: Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	Continue rinsing eyes during transport to hospital.
	Remove contact lenses.
	Protect unharmed eye.
	Keep eye wide open while rinsing.
	If eye irritation persists, consult a specialist.
	: Clean mouth with water and drink afterwards plenty of water.
	Keep respiratory tract clear.
	Do NOT induce vomiting.
	Do not give milk or alcoholic beverages.
	Never give anything by mouth to an unconscious person.
	If symptoms persist, call a physician.
	Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water spray Dry chemical Foam Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Carbon oxides Nitrogen oxides (NO _x)
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	: 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.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protection	: Use personal protective equipment.
----------------------------------	--------------------------------------

Safety Data Sheet

HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

tive equipment and emergency procedures

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Neutralise with acid.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration.

Safety Data Sheet

HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

Hygiene measures : tration of the dangerous substance at the work place.
: When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : clear, amber
Odour : slight, ammoniacal
Odour Threshold : No data available
pH : 11.0 - 11.8 @ 1 %
Freezing Point (Melting point/freezing point) : -34 °C (-29 °F)
Boiling Point (Boiling point/boiling range) : 105 - 110 °C (221 - 230 °F)
Flash point : 300 °C (572 °F)
Not applicable

Evaporation rate : No data available
Flammability (solid, gas) : No data available
Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : similar to water

Relative vapour density : No data available
Relative density : 1.15 - 1.5Reference substance: (water = 1)

Density : No data available
Solubility(ies)
Water solubility : soluble
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : log Pow: < 0
Auto-ignition temperature : No data available
Thermal decomposition : > 107 °C

Viscosity
Viscosity, dynamic : 20 - 150 mPa.s @ 20 °C (68 °F)
Viscosity, kinematic : 10 - 140 mm²/s @ 20 °C (68 °F)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.
Chemical stability : No decomposition if stored and applied as directed.
Possibility of hazardous reactions : No hazards to be specially mentioned.

Safety Data Sheet
HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

Conditions to avoid	: No data available
Incompatible materials	: Avoid contact with: Organic materials Strong acids Strong oxidizing agents
Hazardous decomposition products	: Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate: 1,281 mg/kg

Components:**139-89-9:**Acute oral toxicity : LD₅₀ (Rat): 1,780 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.**5064-31-3:**Acute oral toxicity : LD₅₀ (Rat, male and female): 1,600 mg/kg
Assessment: The component/mixture is toxic after single ingestion.**Skin corrosion/irritation****Product:**

Result: Causes burns.

Components:**139-89-9:**Species: Rabbit
Result: Causes burns.**1310-73-2:**Species: Rabbit
Result: Causes severe burns.**Serious eye damage/eye irritation****Product:**

Remarks: Risk of serious damage to eyes.

Components:**139-89-9:**

Species: Bovine cornea

Safety Data Sheet
HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

Result: Risk of serious damage to eyes.

1310-73-2:

Species: Rabbit

Result: Risk of serious damage to eyes.

5064-31-3:

Species: Rabbit

Result: Irritating to eyes.

Carcinogenicity**Components:****5064-31-3:**

Species: Rat, (male and female)

Application Route: Oral

Exposure time: 104 wks

Dose: 0, 9.2, 92, 921 mg/kg/d

LOAEL: 92 mg/kg body weight

Result: evidence of carcinogenic activity

Remarks: Category 2

Carcinogenicity - Assessment : Suspected human carcinogens

Further information**Product:**

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****5064-31-3:**

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 91.5 mg/l
End point: Biomass
Exposure time: 72 h
Test Type: static test

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Safety Data Sheet

HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

Other adverse effects

Product:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

TDG (Transportation of Dangerous Goods):

UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., (GLYCINE, N-[2-[BIS(CARBOXYMETHYL)AMINO]ETHYL]-N-(2-HYDROXYETHYL)-, SODIUM SALT (1:3), SODIUM HYDROXIDE), 8, III

IATA (International Air Transport Association):

UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., (GLYCINE, N-[2-[BIS(CARBOXYMETHYL)AMINO]ETHYL]-N-(2-HYDROXYETHYL)-, SODIUM SALT (1:3), SODIUM HYDROXIDE) , 8, III

IMDG (International Maritime Dangerous Goods):

UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., (GLYCINE, N-[2-[BIS(CARBOXYMETHYL)AMINO]ETHYL]-N-(2-HYDROXYETHYL)-, SODIUM SALT (1:3), SODIUM HYDROXIDE), 8, III, Flash Point:300 °C(572 °F)

SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

Safety Data Sheet

HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions EHS Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

Revision Date : 11/03/2023

Material number:
16143795, 16141318

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act

Safety Data Sheet
HEDTA NA3 45%

Version 1.0

Revision Date: 11/03/2023

KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50		Lethal Concentration 50%	