



**Safety Data Sheet
(SDS)
9525**

SDS Revision Date: 11/29/2022

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity 9525

Alternate Names 9525

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

Intended use Contact ChemStation representative.

Application Method Contact ChemStation representative.

1.3. Details of the supplier of the safety data sheet

Company Name ChemStation of Northern Indiana
425 Pine Creek Court
Elkhart, IN 46516

Emergency

CHEMTREC (USA) (800) 424-9300

Customer Service: ChemStation of Northern Indiana 8008869712

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Corr. 1A;H314 Causes severe skin burns and eye damage.

2.2. Label elements



Danger

H314 Causes severe skin burns and eye damage.

[Prevention]:

P260 Do not breathe dust, fume, mist, vapors or spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves, eye protection, face protection.

[Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER, doctor or physician.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Nitric acid CAS Number: 0007697-37-2	25 - 50	Ox. Liq. 3;H272 Skin Corr. 1A;H314	[1][2]
Phosphoric acid CAS Number: 0007664-38-2	10 - 25	Skin Corr. 1B;H314	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

Section 4. First-aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Flush Immediately with running water for fifteen minutes. See a physician if symptoms persist.
Skin	Flush with water immediately. See a physician if symptoms persist.
Ingestion	Dilute stomach contents with water, if conscious. See a physician.

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

Overview	EFFECTS OF OVEREXPOSURE: SKIN: Direct contact may result in irritation, reddening, swelling, and, if untreated, severe skin damage. EYES: Contact may cause severe irritation and corneal damage, if untreated. INGESTION: May cause harmful to fatal chemical burns to the mouth, esophagus, and stomach. INHALATION: Aerosols and mists may severely damage contacted tissue and produce scarring. Exposure to high concentrations may cause pulmonary edema and chemical pneumonia. Check section 2.2 (GHS Label Elements) for further details.
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Section 5. Fire-fighting measures

5.1. Extinguishing media

For large fires, use water spray, fog, or alcohol-resistant foam. Do NOT use straight streams of water. For small fires, use dry chemical, carbon dioxide, sand, earth, water spray or regular foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Contact with aluminum and other soft metals can generate flammable hydrogen gas.
Do not breathe dust, fume, mist, vapors or spray.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. 154

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Contain spill using noncombustible material such as vermiculite, sand or earth. Avoid contact with combustible materials such as wood, paper, oil or clothing and notify the proper authorities.

Neutralize residual product in the spill area using sodium carbonate or sodium bicarbonate.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry place.

Incompatible materials: High pH, metals, salts, organics, reducing agents, combustible material.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0007664-38-2	Phosphoric acid	OSHA	TWA 1 mg/m3
		ACGIH	TWA: 1 mg/m3 STEL: 3 mg/m3
		NIOSH	TWA 1 mg/m3 ST 3 mg/m3
		Supplier	No Established Limit
0007697-37-2	Nitric acid	OSHA	TWA 2 ppm (5 mg/m3)
		ACGIH	TWA: 2 ppm Ceiling: 4 ppm
		NIOSH	TWA 2 ppm (5 mg/m3) ST 4 ppm (10 mg/m3)
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0007664-38-2	Phosphoric acid	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007697-37-2	Nitric acid	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to maintain acceptable inhalation levels.

Eyes

Safety goggles with faceshield.

Skin

Wear a neoprene apron. Latex, natural rubber, neoprene, or nitrile gloves are recommended.

Engineering Controls

Normal room air circulation.

Other Work Practices

An eyewash fountain should be located in areas where the product is used. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

Section 9. Physical and chemical properties

Appearance

Clear Liquid

Odor

Acidic

Odor threshold

Not Measured

pH

0.000 - 0.400

Melting point / freezing point

< 32 F

Initial boiling point and boiling range

> 212 deg F

Flash Point

> 201 degrees F PMCC (combustible)

Evaporation rate (Ether = 1)

0.33

Flammability (solid, gas)

Not Applicable

Upper/lower flammability or explosive limits

Lower Explosive Limit: Not Measured

Upper Explosive Limit: Not Measured

Vapor pressure (Pa)

Not Determined

Vapor Density

Not Determined

Relative Density	1.200 - 1.224
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Foaming	None

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable only when material is pure and temperature is less than 38C (100F)

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

High temperatures, flames, and incompatibles.

Do not store near cyanide or chlorine-containing compounds.

10.5. Incompatible materials

High pH, metals, salts, organics, reducing agents, combustible material.

10.6. Hazardous decomposition products

Contact with aluminum and other soft metals can generate flammable hydrogen gas.

Section 11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Nitric acid - (7697-37-2)	No data available	No data available	No data available	2,500.00, Rat - Category: NA	No data available
Phosphoric acid - (7664-38-2)	1,700.00, Rat - Category: 4	>2,000.00, Rabbit - Category: 5	No data available	No data available	No data available

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1A	Causes severe skin burns and eye damage.
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Section 12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Nitric acid - (7697-37-2)			

	6,650.00, Gambusia affinis	490.00, Daphnia magna	Not Available
Phosphoric acid - (7664-38-2)	75.10, Oryzias latipes	101.00, Daphnia magna	101.00 (72 hr), Desmodesmus subspicatus

12.2. Persistence and degradability

This product is fully biodegradable.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

14.1. UN number

NA1760

14.2. UN proper shipping name

Compound, Cleaning, Liquid, (Nitric Acid)

14.3. Transport hazard class(es)

8

14.4. Packing group

III

Section 15. Regulatory information

Regulatory Overview

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance

All components of this material are either listed or exempt from listing on the TSCA Inventory.

Control Act (TSCA)

EPCRA 311/312 Chemicals and RQs (lbs):

Nitric acid (1,000.00)

Phosphoric acid (5,000.00)

EPCRA 302 Extremely Hazardous:

Nitric acid

EPCRA 313 Toxic Chemicals:

Nitric acid

Proposition 65 - Carcinogens (>0.0%):

(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):

(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):

(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):

(No Product Ingredients Listed)

N.J. RTK Substances (>1%):

Nitric acid

Phosphoric acid

Penn RTK Substances (>1%):

Nitric acid

Phosphoric acid

Section 16. Other information

Issue Date	04/21/2015
	05/21/2015
	07/16/2015
	08/05/2015
	11/16/2015
	04/28/2016
	09/16/2018
	11/19/2018
	04/27/2022
	06/08/2022
	09/20/2022
	10/10/2022
	11/02/2022
	11/07/2022
	11/29/2022
Revision History	952504/21/2015
	04/21/2015
	04/21/2015
	04/21/2015
	04/21/2015
	04/21/2015
	05/21/2015
	07/16/2015
	08/05/2015
	11/16/2015
	04/28/2016
	09/16/2018
	11/19/2018
	04/27/2022
	06/08/2022
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The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.

H314 Causes severe skin burns and eye damage.

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