

SAFETY DATA SHEET

TRUE NORTH PURPLE DEGREASER - ALL SIZES



Version	Revision Date:	SDS Number:	Date of last issue: 07/11/2024
1.2	08/09/2024	600000002680	Date of first issue: 02/16/2024

SECTION 1. IDENTIFICATION

Product name : TN PURPLE DGR

Product code : DR409

Manufacturer or supplier's details

Company name of supplier : True North Chemicals

Address : 1271 Fayland Drive, Fargo, ND 58102

Email Address : dsi@dsiautomotive.com

Telephone : 1-800-437-4621

Emergency telephone number : 1-800-535-5053

Recommended use of the chemical and restrictions on use

Recommended use : DEGREASER

Restrictions on use : Use only outdoors or in a well-ventilated area.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion : Category 1B

Serious eye damage : Category 1

Skin sensitisation : Category 1

Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (Respiratory Tract)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.
May cause an allergic skin reaction.

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May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

Precautionary statements

Prevention:
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
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.
Get medical advice/ attention if you feel unwell.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.

Storage:
Store locked up.

Disposal:
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

Chemical name	CAS-No.	Concentration (% w/w)
Sodium hydroxide	1310-73-2	$\geq 2 - < 5$
Sodium metasilicate	6834-92-0	$\geq 1 - < 5$
Ethoxylated nonylphenol ethoxylate	127087-87-0	$\geq 1 - < 5$
Tetrasodium EDTA	64-02-8	$\geq 1 - < 5$
Disodium Cocoampho Dipropionate	68604-71-7	$\geq 0.1 - < 1$

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

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

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- Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : 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.
- If swallowed : 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.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure if inhaled.
Causes severe burns.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- 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 : Sodium oxides
Carbon oxides
Nitrogen oxides (NOx)
- 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.

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Special protective equipment : Wear self-contained breathing apparatus for firefighting if necessary for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

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 : 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.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

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.

Materials to avoid : Do not store near acids.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

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Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sodium hydroxide	1310-73-2	C	2 mg/m ³	ACGIH
		C	2 mg/m ³	NIOSH REL
		TWA	2 mg/m ³	OSHA Z-1
		C	2 mg/m ³	OSHA P0

Personal protective equipment

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 of the dangerous substance at the work place.

Hygiene measures : 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 : purple

Odour : not determined

Odour Threshold : not determined

pH : 12.6

Melting point/freezing point : not determined

Boiling point/boiling range : not determined

Flash point : 100 °C

Evaporation rate : not determined

Flammability (solid, gas) : No data available

Self-ignition : not determined

Upper explosion limit / Upper flammability limit : not determined

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Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	not determined
Relative vapour density	:	not determined
Density	:	not determined
Solubility(ies)	:	
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not determined
Decomposition temperature	:	not determined
Viscosity	:	
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	not determined
Molecular weight	:	No data available

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 decomposition if stored and applied as directed.
Conditions to avoid	:	No data available
Incompatible materials	:	Not applicable
Hazardous decomposition products	:	Sodium oxides
Hazardous decomposition products	:	Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity

Not classified based on available information.

Product:

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Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 44.9 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

Sodium hydroxide:

Acute oral toxicity : LDLo (Rabbit): 500 mg/kg

Sodium metasilicate:

Acute oral toxicity : LD50 (Rat): 1,153 mg/kg

Ethoxylated nonylphenol ethoxylate:

Acute oral toxicity : LD50 (Rat): 960 - 3,980 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC50 (Rat): 1.15 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 - 2,991 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Tetrasodium EDTA:

Acute oral toxicity : LD50 (Rat, female): 1,780 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 1 - 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Causes severe burns.

Product:

Remarks: Extremely corrosive and destructive to tissue.

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Components:

Sodium hydroxide:

Result: Corrosive after 3 minutes or less of exposure

Sodium metasilicate:

Result: Causes burns.

Ethoxylated nonylphenol ethoxylate:

Result: Possibly irritating to skin

Tetrasodium EDTA:

Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

Sodium hydroxide:

Result: Corrosive

Sodium metasilicate:

Result: Irreversible effects on the eye

Assessment: Corrosive

Ethoxylated nonylphenol ethoxylate:

Result: Irreversible effects on the eye

Tetrasodium EDTA:

Result: Irritating to eyes.

Disodium Cocoampho Dipropionate:

Result: Irritating to eyes.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

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Product:

Remarks: Causes sensitisation.

Components:

Sodium hydroxide:

Exposure routes: Skin contact

Species: Humans

Result: negative

Ethoxylated nonylphenol ethoxylate:

Assessment: Does not cause skin sensitisation.

Tetrasodium EDTA:

Test Type: Maximisation Test

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

Remarks: Information given is based on data obtained from similar substances.

Disodium Cocoampho Dipropionate:

Species: Guinea pig

Method: OECD Test Guideline 406

Result: May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Components:

Tetrasodium EDTA:

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation
		Result: negative

Carcinogenicity

Not classified based on available information.

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
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OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
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NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
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Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

Components:

Sodium metasilicate:

Assessment: May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

Components:

Tetrasodium EDTA:

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration toxicity

Not classified based on available information.

Components:

Ethoxylated nonylphenol ethoxylate:

No aspiration toxicity classification

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

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Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

International Regulations

IATA-DGR

UN/ID No.	: UN 1760
Proper shipping name	: Corrosive liquid, n.o.s. (Sodium Hydroxide, Sodium Metasilicate)
Class	: 8
Packing group	: II
Labels	: 8
Packing instruction (cargo aircraft)	: 855
Packing instruction (passenger aircraft)	: 851

IMDG-Code

UN number	: UN 1760
Proper shipping name	: CORROSIVE LIQUID, N.O.S. (Sodium Hydroxide, Sodium Metasilicate)
Class	: 8
Packing group	: II
Labels	: 8
EmS Code	: F-A, S-B
Marine pollutant	: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

UN/ID/NA number	: UN 1760
Proper shipping name	: Corrosive liquids, n.o.s. (Sodium Hydroxide, Sodium Metasilicate)
Class	: 8
Packing group	: II
Labels	: 8
ERG Code	: 154
Marine pollutant	: no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
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		(lbs)	(lbs)
Methanol	67-56-1	100	100 (F003)
Sodium hydroxide	1310-73-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sulfuric acid	7664-93-9	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

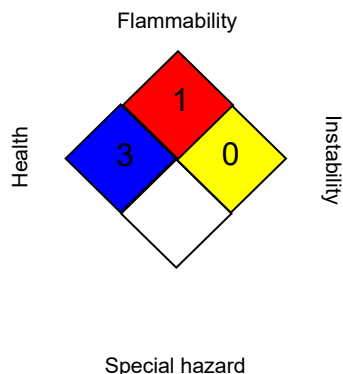
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Respiratory or skin sensitisation
Specific target organ toxicity (single or repeated exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethoxylated nonylphenol 127087-87-0 >= 1 - < 5 %
ethoxylate

SECTION 16. OTHER INFORMATION**Further information****NFPA:**

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