

SAFETY DATA SHEET



TRANSMATE™ INNOVATION AUTO DETERGENT

Version 1.1 Revision Date: 04/26/2023 SDS Number: 600000002170 Date of last issue: 12/13/2020
Date of first issue: 12/13/2020

SECTION 1. IDENTIFICATION

Product name : TM INNOVATION AUTO DET 55 GA
Product code : TM010-55

Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC
Address : North American Centre 4711 Yonge Street, 10th Floor Toronto, ON M2N 6K8, Canada
Email Address : EHS@niteoproducts.com
Telephone : 1-844-696-4836
Emergency telephone number : 1-800-424-9300 / 1-703-741-5970

Recommended use of the chemical and restrictions on use

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

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Corrosive to metals : Category 1
Skin corrosion : Category 1
Serious eye damage : Category 1
Carcinogenicity : Category 1A

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : May be corrosive to metals.
Causes severe skin burns and eye damage.
May cause cancer.

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Precautionary statements : **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep only in original packaging.
Wash skin thoroughly after handling.
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.
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.
IF exposed or concerned: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

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)
Phosphoric acid	7664-38-2	13.695
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	12.0862
2-Butoxyethanol	111-76-2	6.2599
Citric acid	77-92-9	2.09
Sulfuric acid	7664-93-9	0.2492

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

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- If inhaled : Move to fresh air.
IF INHALED: Call a POISON CENTER/ doctor if you feel unwell.
If unconscious, place in recovery position and seek medical advice.
Keep patient warm and at rest.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.
If skin irritation persists, call a physician.
- In case of eye contact : 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 swallowed : Get medical attention immediately.
Do NOT induce vomiting.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Causes serious eye damage.
May cause cancer.
Causes severe burns.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Carbon dioxide (CO₂)
- 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 : Oxides of phosphorus
Carbon oxides
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

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for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Avoid breathing dust.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Prevent product from entering drains.
Do not flush into surface water or sanitary sewer system.
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 : Avoid formation of aerosol.
Provide sufficient air exchange and/or exhaust in work rooms.
Do not breathe vapours/dust.
Do not smoke.
Avoid contact with skin and eyes.
When diluting, always add the product to water. Never add water to the product.
Dispose of rinse water in accordance with local and national regulations.
Container hazardous when empty.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
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		(Form of exposure)	ters / Permissible concentration	
Phosphoric acid	7664-38-2	TWA	1 mg/m3	CA AB OEL
		STEL	3 mg/m3	CA AB OEL
		TWA	1 mg/m3	CA BC OEL
		STEL	3 mg/m3	CA BC OEL
		TWAEV	1 mg/m3	CA QC OEL
		STEV	3 mg/m3	CA QC OEL
		TWA	1 mg/m3	ACGIH
		STEL	3 mg/m3	ACGIH
2-Butoxyethanol	111-76-2	TWA	20 ppm 97 mg/m3	CA AB OEL
		TWA	20 ppm	CA BC OEL
		TWAEV	20 ppm 97 mg/m3	CA QC OEL
		TWA	20 ppm	ACGIH
Sulfuric acid	7664-93-9	TWA	1 mg/m3	CA AB OEL
		STEL	3 mg/m3	CA AB OEL
		TWA (Thoracic)	0.2 mg/m3	CA BC OEL
		TWAEV	1 mg/m3	CA QC OEL
		STEV	3 mg/m3	CA QC OEL
		TWA (Thoracic particulate matter)	0.2 mg/m3	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-Butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment supplier). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Discard gloves that show tears, pinholes, or signs of wear.

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- Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Wear as appropriate:
Impervious clothing
Safety shoes
Remove and wash contaminated clothing before re-use.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not smoke.
When using do not eat or drink.
-

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : yellow
- Odour : solvent-like
- Odour Threshold : not determined
- pH : 1
- Melting point/freezing point : 0 °C
- Boiling point/boiling range : 100 °C
- 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
- Lower explosion limit / Lower flammability limit : not determined
- Vapour pressure : not determined
- Relative vapour density : not determined
- Density : 1.0808 g/cm³
- Solubility(ies)
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Water solubility : soluble

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.
Hazardous polymerisation does not occur.

Conditions to avoid : No data available

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon oxides

Hazardous decomposition products : Oxides of phosphorus

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:

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

Remarks: Causes digestive tract burns.

Acute inhalation toxicity : Acute toxicity estimate: 8.18 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

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

Components:

Phosphoric acid:

Acute oral toxicity : LD50 (Rat): ca. 2,600 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2,740 mg/kg

Benzenesulfonic acid, C10-16-alkyl derivs.:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC50 (Rat): > 1.9 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg
Remarks: Information given is based on data obtained from similar substances.

2-Butoxyethanol:

Acute oral toxicity : LD50 (Guinea pig): 1,200 mg/kg

Acute inhalation toxicity : LC50 (Guinea pig): > 633 ppm
Exposure time: 1 h
Test atmosphere: dust/mist
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 (Guinea pig): > 2,000 mg/kg
Assessment: The component/mixture is moderately toxic after single contact with skin.

Citric acid:

Acute oral toxicity : LD50 (Mouse): 6,730 mg/kg

Sulfuric acid:

Acute oral toxicity : LD50 (Rat): 2,140 mg/kg

Skin corrosion/irritation

Causes severe burns.

Product:

Remarks: Causes severe skin burns and eye damage.

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Components:

Phosphoric acid:

Species: Rabbit
Result: Corrosive after 1 to 4 hours of exposure

Benzenesulfonic acid, C10-16-alkyl derivs.:

Species: Rabbit
Result: Mild skin irritation

2-Butoxyethanol:

Method: Directive 67/548/EEC, Annex V, B.4.
Result: Irritating to skin.

Citric acid:

Result: Possibly irritating to skin

Sulfuric acid:

Result: Causes severe burns.

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

Phosphoric acid:

Result: Irreversible effects on the eye
Assessment: Corrosive

Benzenesulfonic acid, C10-16-alkyl derivs.:

Species: Rabbit
Result: Irritation to eyes, reversing within 7 days

2-Butoxyethanol:

Result: Irritating to eyes.
Method: OECD Test Guideline 405

Citric acid:

Result: Irritating to eyes.

Sulfuric acid:

Result: Irreversible effects on the eye
Assessment: Corrosive

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Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Benzenesulfonic acid, C10-16-alkyl derivs.:

Assessment: Does not cause skin sensitisation.

2-Butoxyethanol:

Species: Guinea pig
Method: OECD Test Guideline 406
Result: Not a skin sensitizer.

Germ cell mutagenicity

Not classified based on available information.

Components:

Benzenesulfonic acid, C10-16-alkyl derivs.:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative
Remarks: Information given is based on data obtained from similar substances.

2-Butoxyethanol:

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

Carcinogenicity

May cause cancer.

Components:

Sulfuric acid:

Carcinogenicity - Assessment : Positive evidence from human epidemiological studies

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

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STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

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 : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
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.
(Phosphoric acid, Benzenesulfonic acid, C10-16-alkyl derivs.)
Class : 8
Packing group : III
Labels : 8
Packing instruction (cargo aircraft) : 856

IMDG-Code

UN number : UN 1760
Proper shipping name : CORROSIVE LIQUID, N.O.S.
(Phosphoric acid, Benzenesulfonic acid, C10-16-alkyl derivs.)
Class : 8
Packing group : III

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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

TDG

UN number	:	UN 1760
Proper shipping name	:	CORROSIVE LIQUID, N.O.S. (, Benzenesulfonic acid, C10-16-alkyl derivs.)
Class	:	8
Packing group	:	III
Labels	:	8
ERG Code	:	154
Marine pollutant	:	no

SECTION 15. REGULATORY INFORMATION

SECTION 16. OTHER INFORMATION

Revision Date : 04/26/2023

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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