



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Preparation of safety data sheets for hazardous chemicals Code of Practice June 2023

Issuing Date 10-Feb-2021

Revision date 02-Feb-2026

Revision Number 2

## Section 1: Identification

### Product identifier

Product Name CLEANER; 32 OZ AEM DRYFLOW

Product Code(s) AEM-1-1000

### Other means of identification

Pure substance/mixture Mixture

### Recommended use of the chemical and restrictions on use

Recommended use Cleaning agent for car air filter

Uses advised against No information available

### Details of manufacturer or importer

#### Supplier

K&N Engineering, Inc.  
14 Longitude Way  
Corona, CA 92881  
+1 951-826-4000 / 800-858-3333

For further information, please contact \_\_\_\_\_

### Emergency telephone number

Emergency telephone number CHEMTREC (Australia): +61-290372994

## Section 2: Hazard(s) identification

### Classification of the substance or mixture

Serious eye damage/eye irritation	Category 1
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### Label elements

Corrosion



Signal word  
DANGER

Hazard statements

Causes serious eye damage

#### Precautionary Statements - Prevention

Wear eye and face protection

#### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISONS INFORMATION CENTRE or doctor

#### Other hazards which do not result in classification

No information available.

### Section 3: Composition/information on ingredients

Chemical name	CAS No.	Weight-%
Tetrasodium EDTA	64-02-8	0.5 - 3
Diethylene glycol monobutyl ether	112-34-5	0.5 - 3
Non-hazardous ingredients	Proprietary	Balance

### Section 4: First aid measures

#### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Emergency telephone number</b>	Poisons Information Centre, Australia: 13 11 26
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Get immediate medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

#### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Burning sensation. May cause blindness. May cause redness and tearing of the eyes.
<b>Effects of Exposure</b>	None known.

#### Indication of any immediate medical attention and special treatment needed

<b>Note to doctors</b>	Treat symptomatically.
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### Section 5: Firefighting measures

#### Suitable Extinguishing Media

<b>Suitable extinguishing equipment</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Unsuitable extinguishing media</b>	None known based on information supplied.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous combustion products** Carbon oxides.

**Special protective actions for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

**Section 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Section 7: Handling and storage****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protective equipment. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. See section 10 for more information.

**Incompatible materials** Strong oxidising agents.

**Section 8: Exposure controls and personal protection****Control Parameters****Exposure Limits**

Chemical name	Australia	New Zealand	ACGIH TLV
Diethylene glycol monobutyl ether 112-34-5	-	-	TWA: 10 ppm inhalable fraction and vapor

Chemical name	European Union	United Kingdom	Germany DFG
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm; TWA: 67.5 mg/m <sup>3</sup> ; STEL: 15 ppm; STEL: 101.2 mg/m <sup>3</sup> ;	TWA: 10 ppm; TWA: 67.5 mg/m <sup>3</sup> ; STEL: 15 ppm; STEL: 101.2 mg/m <sup>3</sup> ;	TWA-MAK: 67 mg/m <sup>3</sup> ; I(1.5); TWA-MAK: 10 ppm; I(1.5);

**Note** See section 16 for terms and abbreviations.

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Face protection shield. Tight sealing safety goggles.

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

**Thermal hazards** No information available.

## **Section 9: Physical and chemical properties**

### Information on basic physical and chemical properties

**Appearance** Clear, colorless liquid  
**Physical state** Liquid  
**Colour** Colourless  
**Odour** Characteristic  
**Odour threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>		No data available
<b>Initial boiling point and boiling range</b>		No data available
<b>Flammability</b>		No data available
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>		No data available
<b>Lower flammability or explosive limits</b>		No data available
<b>Flash point</b>		No data available
<b>Auto-ignition temperature</b>		No data available
<b>Decomposition temperature</b>		No data available
<b>SADT (°C)</b>		No data available
<b>pH</b>	9 - 10	
<b>pH (as aqueous solution)</b>		No data available
<b>Kinematic viscosity</b>		No data available

Dynamic viscosity		No data available
Water solubility	Miscible in water	
Solubility(ies)		No data available
Partition coefficient		No data available
Vapour pressure		No data available
Relative density	1.0	
Bulk density		No data available
Liquid Density		No data available
Relative vapour density		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available
<u>Other information</u>		
Molecular weight	No information available	
VOC content	No information available	
Softening point	No information available	

**Information with regard to physical hazard classes****Explosives**

Explosive properties	No information available
Oxidising properties	No information available

**Section 10: Stability and reactivity****Reactivity**

Reactivity	None under normal use conditions.
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**Chemical stability**

Stability	Stable under normal conditions.
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**Explosion data**

Sensitivity to mechanical impact	None.
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Sensitivity to static discharge	None.
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**Possibility of hazardous reactions**

Possibility of hazardous reactions	None under normal processing.
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**Conditions to avoid**

Conditions to avoid	Incompatible materials.
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**Incompatible materials**

Incompatible materials	Strong oxidising agents.
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**Hazardous decomposition products**

**Hazardous decomposition products** Thermal decomposition can lead to release of irritating gases and vapours, Carbon oxides.

**Section 11: Toxicological information****Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
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<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes. (based on components).
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Burning sensation. May cause blindness. May cause redness and tearing of the eyes.

#### **Acute toxicity**

#### **Numerical measures of toxicity**

The following ATE values have been calculated for the mixture:

ATEmix (oral)	> 5,000 mg/kg
ATEmix (dermal)	> 5,000 mg/kg

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrasodium EDTA	= 1658 mg/kg ( Rat )	-	-
Diethylene glycol monobutyl ether	= 5660 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	-

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

### **Section 12: Ecological information**

**Ecotoxicity** Based on available data, the classification criteria are not met.

#### **Aquatic ecotoxicity**

#### **Component Information**

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Tetrasodium EDTA	LC50: =41mg/L (96h, Lepomis macrochirus)	-	-	-

	LC50: =59.8mg/L (96h, Pimephales promelas)			
Diethylene glycol monobutyl ether	LC50: =1300mg/L (96h, Lepomis macrochirus)	EC50: >100mg/L (48h, Daphnia magna)	EC50: >100mg/L (96h, Desmodemus subspicatus)	LC50:1170 mg/l (16 h, Bacteria - Pseudomonas putida)

**Terrestrial ecotoxicity** No information available.

**Persistence and degradability** No information available.

#### **Bioaccumulative potential**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
Diethylene glycol monobutyl ether	1	-	-

**Mobility in soil** No information available.

**Other adverse effects** No information available.

### **Section 13: Disposal considerations**

#### **Disposal methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not re-use empty containers.

*See section 8 for more information*

### **Section 14: Transport information**

**ADG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
No information available

### **Section 15: Regulatory information**

#### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **National regulations**

##### **Australia**

See section 8 for national exposure control parameters

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)**

No poisons schedule number allocated

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Chemical name	Australian Industrial Chemicals Introduction Scheme (AICIS)	Additional information
Tetrasodium EDTA - 64-02-8	Contact supplier for inventory compliance status Present	-
Diethylene glycol monobutyl ether - 112-34-5	Contact supplier for inventory compliance status Present	-

#### Illicit Drug Precursors/Reagents

This product does not contain any substance(s) on the Illicit Drug Precursors/Reagents list.

#### National pollutant inventory

Subject to reporting requirement

Chemical name	National pollutant inventory
Diethylene glycol monobutyl ether - 112-34-5	20 MW Threshold category 2b as Total Volatile Organic Compounds: the sum, by mass, of individual VOC, including non-NPI VOC 60000 MWH Threshold category 2b as Total Volatile Organic Compounds: the sum, by mass, of individual VOC, including non-NPI VOC 1 tonne/h Threshold category 2a as Total Volatile Organic Compounds: the sum, by mass, of individual VOC, including non-NPI VOC 25 tonne/yr Threshold category 1a as Total Volatile Organic Compounds: the sum, by mass, of individual VOC, including non-NPI VOC 400 tonne/yr Threshold category 2a as Total Volatile Organic Compounds: the sum, by mass, of individual VOC, including non-NPI VOC 2000 tonne/yr Threshold category 2b as Total Volatile Organic Compounds: the sum, by mass, of individual VOC, including non-NPI VOC

#### International Inventories

Contact supplier for inventory compliance status

#### International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

### Section 16: Other information

Issuing Date 10-Feb-2021

Revision date 02-Feb-2026

**Revision Note**

Updated format. SDS sections updated: 2, 3, 4, 7, 8, 9, 11, 12, 15, 16.

**Key or legend to abbreviations and acronyms used in the safety data sheet***List may include phrases which are not applicable to this product*

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAK	Maximum Concentration at the Workplace
MARPOL	International Convention for the Prevention of Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure

STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitiser
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitiser
RS	Respiratory Sensitiser
S	Sensitiser
poS	Sensitiser - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

#### Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 Australian Industrial Chemicals Introduction Scheme (AICIS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
 United Nations World Health Organization (WHO)

#### Disclaimer

**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**

**End of Safety Data Sheet**