A/C PERFORMANCE ENHANCER

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 01/29/2025 Version: 1.0

SECTION 1 Identification

1.1. GHS Product identifier

Trade name : A/C PERFORMANCE ENHANCER
Product code : 892.764720

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Supplier's details

Wurth Canada Limited
345 Hanlon Creek Blvd
Guelph, ON N1C 0A1
1-800-236-5002
prodsafe@wurth.ca

1.5. Emergency phone number

Emergency number : CHEMTREC (24/7): 1-800-424-9300

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Gases under pressure: Compressed gas	H280	Contains gas under pressure; may explode if heated
Skin sensitization, Category 1A	H317	May cause an allergic skin reaction

Full text of H statements : see section 16

2.2. GHS label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Warning

Hazard statements (GHS CA) : H280 - Contains gas under pressure; may explode if heated
H317 - May cause an allergic skin reaction

Precautionary statements (GHS CA) : P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P410+P403 - Protect from sunlight. Store in a well-ventilated place.

P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Contains compressed air; may burst if heated.

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
[[(2-ethylhexyl)oxy]methyl]oxirane	[[(2-ethylhexyl)oxy]methyl]oxirane / 1,2-epoxy-3((2-ethylhexyl)oxy)propane / 1-glycidyloxy-2-ethylhexane / 2-ethylhexylglycidyl ether / glycidyl-2-ethylhexyl ether / HELOXY MK-116 / oxirane, (((2-ethylhexyl)oxy)methyl-	CAS-No.: 2461-15-6	0.0099 – 2.475	Skin Irrit. 2, H315 Skin Sens. 1A, H317
air, compressed	compressed air / reconstituted air, compressed / synthetic air, compressed	CAS-No.: 132259-10-0	1	Press. Gas (Comp.), H280

Full text of hazard classes and H-statements : see section 16

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective actions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

See Heading 8,Exposure controls and personal protection

SECTION 7 Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Do not store above 120°F. Do not store above 49 °C.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.
Storage temperature : < 49 °C Do not store in passenger compartment of automobiles.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
The use of gloves impervious to the specific material handled is advised to prevent skin contact. Suggested protective material: Nitrile, 4.5 mil thickness, tested at 3.5 ml and above with no breakthrough time after 240 minutes.

Eye protection:
Chemical goggles or safety glasses

Respiratory protection:
Where there is potential for airborne exposure above the exposure limit an approved air purifying respirator equipped with Type P2 - Medium efficiency particle filters may be used.

Personal protective equipment symbol(s):

Other information:
Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	No data available
Color	:	Green-Yellow
Odor	:	characteristic
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapor pressure	:	No data available

Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	Unknown.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	60 – 68 cSt @40C
Explosion limits	:	No data available
Particle characteristics	:	No data available

[[(2-ethylhexyl)oxy]methyl]oxirane	
Particle characteristics	No data available

air, compressed	
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

Heat of combustion	:	≤ 32 kJ/g

SECTION 10 Stability and reactivity

Reactivity	:	No additional information available
Chemical stability	:	Not established.
Possibility of hazardous reactions	:	Not established.
Conditions to avoid	:	Direct sunlight. Extremely high or low temperatures.
Incompatible materials	:	Strong acids. Strong bases.
Hazardous decomposition products	:	Carbon monoxide. Carbon dioxide.
Hardening time:	:	No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 25 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation	:	Not classified

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
pH	No data available in the literature

Serious eye damage/irritation	:	Not classified

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
pH	No data available in the literature

Respiratory or skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

A/C PERFORMANCE ENHANCER	
Viscosity, kinematic	60 – 68 cSt @40C

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
Viscosity, kinematic	No data available in the literature

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12 Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
LC50 - Fish [1]	> 5000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Nominal concentration)

12.2. Persistence and degradability

A/C PERFORMANCE ENHANCER	
Persistence and degradability	Not established.

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
Persistence and degradability	Not readily biodegradable in water.

air, compressed (132259-10-0)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

A/C PERFORMANCE ENHANCER	
Bioaccumulative potential	Not established.

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	3.83 (Experimental value, EU Method A.8: Partition Coefficient)

12.4. Mobility in soil

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
Ecology - soil	Adsorbs into the soil.

[[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	> 5.63 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Read-across, GLP)

12.5. Other adverse effects

Ozone : Not classified

Other information : Avoid release to the environment.

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

14.1. UN Number

UN-No. (TDG) : 1950

UN-No.(DOT) : 1950

UN-No. (IMDG) : 1950

UN-No. (IATA) : 1950

14.2. UN Proper Shipping Name

Proper Shipping Name (TDG) : Aerosols, non-flammable

Proper Shipping Name (DOT) : Aerosols, non-flammable

Proper Shipping Name (IMDG) : Aerosols, non-flammable

Proper Shipping Name (IATA) : Aerosols, non-flammable

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : 2.2

Hazard labels (TDG) : 2.2

:

DOT

Transport hazard class(es) (DOT) : Not applicable

:

IMDG

Transport hazard class(es) (IMDG) : 2.2

IATA

Transport hazard class(es) (IATA) : 2.2

14.4. Packing group, if applicable

Packing group (TDG)	:	Not applicable
Packing group (DOT)	:	Not applicable
Packing group (IMDG)	:	Not applicable
Packing group (IATA)	:	Not applicable

14.5. Environmental hazards

Dangerous for the environment	:	No
Other information	:	No supplementary information available.

14.6. Special precautions for user

TDG

UN-No. (TDG)	:	1950

DOT

UN-No.(DOT)	:	1950

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78[9] and the IBC Code[10]

Not applicable

SECTION 15 Regulatory information

No additional information available

SECTION 16 Other Information

Issue date	:	01/29/2025
Other information	:	None.

Full text of hazard classes and H-statements:	
H280	Contains gas under pressure; may explode if heated
H315	Causes skin irritation
H317	May cause an allergic skin reaction

Safety Data Sheet (SDS), Canada

This information is furnished without warranty, expressed or implied, except that is accurate to the best knowledge of Wurth Canada Limited. The data on this sheet related only to the specific material designed herein. Wurth Canada Limited assumes no legal responsibility for the use or reliance upon these data.