

ES Compleat NOAT Concentrate

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Issue date: 2/25/2022
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Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : ES Compleat NOAT Concentrate -OSHA WHMIS
Product code : CC36166 USJ (1 Gal), CC36166 USJ X (1 Gal), CC36166 USD (55 Gal), CC36166 UST (275 Gal), CC36166 US (Bulk)

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Concentrate Antifreeze

1.3. Supplier

Supplier

Cummins Filtration
1200 Fleetguard Road
Cookeville, TN 38506 - USA
T 1-800-22-FILTER (1-800-223-4583)

Distributor

Cummins Western Canada
Canadian Distributor
11751 181 St.
Edmonton, AB T5S 2K5 - Canada
T 1-780-455-2151

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300 (Within Continental U.S.) Chemtrec 703-527-3887 (Outside the U.S.).

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Acute Tox. 4 (Oral)
Carc. 2
Repr. 2
STOT SE 1
STOT SE 3

2.2. GHS Label elements, including precautionary statements

GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) :

Danger

Hazard statements (GHS) :

Harmful if swallowed.
May cause respiratory irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Causes damage to organs.

Precautionary statements (GHS) :

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands, forearms and face thoroughly after handling.

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Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Call a poison center or doctor if you feel unwell.
Call a poison center or doctor if you feel unwell.
Rinse mouth.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed: Call a poison center/doctor.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Ethylene glycol	Ethylene glycol 1,2-Dihydroxyethane / Ethane-1,2-diol / 1,2-Ethanediol / Ethanediol / GLYCOL / Glycol / Monoethylene glycol	CAS-No.: 107-21-1	80 – 100
Sodium benzoate	Sodium benzoate Benzoate, sodium / Benzoic acid, sodium salt / Benzoic acid, sodium salt (1:1) / SODIUM BENZOATE	CAS-No.: 532-32-1	1 – 5
Tolyltriazole, sodium salt	Tolyltriazole, sodium salt Benzotriazole (1H), methyl, sodium salt / 1H- Benzotriazole, 4(or 5)-methyl-, sodium salt / Methyl-1H- benzotriazole, sodium salt / Sodium 4(or 5)-methyl-1H- benzotriazolide / Sodium 4-(or 5)-methyl-benzotriazole / Sodium tolyltriazole / Tolyltriazole sodium / sodium tolyltriazole / 1H-Benzotriazole, 6(or 7)-methyl-, sodium salt (1:1)	CAS-No.: 64665-57-2	0.1 – 1
Sodium nitrite	Sodium nitrite Diazotizing salts / Nitrous acid, sodium salt / Nitrous acid, sodium salt (1:1) / SODIUM NITRITE / sodium nitrite	CAS-No.: 7632-00-0	0.1 – 1
Sodium molybdate	Sodium molybdate Disodium molybdate / Molybdate (MoO4 ²⁻), disodium, (T-4)- / Molybdic acid (H ₂ MoO ₄), disodium salt / Molybdic acid, disodium salt / Molybdate (MoO4 ²⁻), sodium (1:2), (T-4)- / Molybdate, disodium, (T-4)- / Sodium molybdate(VI) / Sodium molybdate, anhydrous / SODIUM MOLYBDATE / sodium molybdate	CAS-No.: 7631-95-0	0.1 – 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: IF SWALLOWED: Do NOT induce vomiting, Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon. Toxic vapours may be released
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not breathe dust, fume, gas, mist, spray, vapours. When using do not eat, drink or smoke. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care.
Hygiene measures : Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in well ventilated area. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ES Compleat NOAT Concentrate -OSHA WHMIS	
No additional information available	
Ethylene glycol (107-21-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	25 ppm (vapor fraction)
ACGIH OEL STEL	10 mg/m ³ (inhalable particulate matter, aerosol only)
ACGIH OEL STEL [ppm]	50 ppm (vapor fraction)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Sodium benzoate (532-32-1)	
No additional information available	
Tolyltriazole, sodium salt (64665-57-2)	
No additional information available	
Sodium nitrite (7632-00-0)	
No additional information available	

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Sodium molybdate (7631-95-0)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear suitable gloves

Eye protection:

Safety glasses or goggles are recommended when using product.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: red
Odour	: No data available
Odour threshold	: No data available
pH	: 8.2 – 9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 170 °C
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.126
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Products of combustion may include, and are not limited to: oxides of carbon. Toxic vapours may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified.

ES Compleat NOAT Concentrate -OSHA WHMIS	
ATE CA (oral)	532.613 mg/kg bodyweight
Ethylene glycol (107-21-1)	
LD50 oral rat	4700 mg/kg
LD50 dermal rat	10600 mg/kg
LC50 inhalation rat	> 2.5 mg/l (Exposure time: 6 h)
ATE CA (oral)	500 mg/kg bodyweight
ATE CA (Dermal)	10600 mg/kg bodyweight
Sodium benzoate (532-32-1)	
LD50 oral rat	4070 mg/kg
ATE CA (oral)	4070 mg/kg bodyweight
Tolyltriazole, sodium salt (64665-57-2)	
LD50 oral rat	1980 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

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Tolyltriazole, sodium salt (64665-57-2)	
ATE CA (oral)	1980 mg/kg bodyweight
Sodium nitrite (7632-00-0)	
LD50 oral rat	85 mg/kg
LC50 inhalation rat	5.5 mg/l/4h
ATE CA (oral)	85 mg/kg bodyweight
ATE CA (vapours)	5.5 mg/l/4h
ATE CA (dust,mist)	5.5 mg/l/4h
Sodium molybdate (7631-95-0)	
LD50 oral rat	4000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 5.84 mg/l/4h
ATE CA (oral)	4000 mg/kg bodyweight
Skin corrosion/irritation	: Not classified. pH: 8.2 – 9
Serious eye damage/irritation	: Not classified. pH: 8.2 – 9
Respiratory or skin sensitisation	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Suspected of causing cancer.
Ethylene glycol (107-21-1)	
NOAEL (chronic, oral, animal/male, 2 years)	1500 mg/kg bodyweight Animal: mouse, Animal sex: male, Remarks on results: other:Effect type: carcinogenicity (migrated information)
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Causes damage to organs. May cause respiratory irritation.
Ethylene glycol (107-21-1)	
STOT-single exposure	Causes damage to organs. May cause respiratory irritation.
STOT-repeated exposure	: Not classified.
Tolyltriazole, sodium salt (64665-57-2)	
NOAEL (oral, rat, 90 days)	≈ 150 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
Sodium nitrite (7632-00-0)	
NOAEL (subchronic, oral, animal/male, 90 days)	220 mg/kg bodyweight Animal: mouse, Animal sex: male
NOAEL (subchronic, oral, animal/female, 90 days)	165 mg/kg bodyweight Animal: mouse, Animal sex: female
Sodium molybdate (7631-95-0)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.1 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

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Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life. May cause long-term adverse effects in the aquatic environment.

Ethylene glycol (107-21-1)	
LC50 - Fish [1]	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	14 – 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'
NOEC chronic crustacea	4.2 mg/l

Sodium benzoate (532-32-1)	
LC50 - Fish [1]	420 – 558 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	< 650 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Tolytriazole, sodium salt (64665-57-2)	
LC50 - Fish [1]	180 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	15.8 mg/l Test organisms (species): other aquatic crustacea:Daphnia galeata
LC50 - Fish [2]	55 mg/l Test organisms (species): Cyprinodon variegatus
EC50 - Crustacea [2]	8.58 mg/l Test organisms (species): other aquatic crustacea:Daphnia galeata
LOEC (chronic)	37.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	18.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Sodium nitrite (7632-00-0)	
LC50 - Fish [1]	0.19 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [1]	15.4 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	0.092 – 0.13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Ethylene glycol (107-21-1)	
Partition coefficient n-octanol/water	-1.93
Sodium benzoate (532-32-1)	
BCF - Fish [1]	(no bioaccumulation)
Partition coefficient n-octanol/water	-2.13
Sodium nitrite (7632-00-0)	
Partition coefficient n-octanol/water	-3.7 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with DOT / TDG

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not Regulated

14.3. Transport hazard class(es)

DOT

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

TDG

Transport hazard class(es) (TDG) : Not Regulated

14.4. Packing group

Packing group (DOT) : Not Regulated

Packing group (TDG) : Not Regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

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DOT

No data available

TDG

No data available

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

Not Regulated

SECTION 15: Regulatory information

15.1. US Federal regulations


All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

 **WARNING:** This product can expose you to Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Revision date : 02/25/2022
Other information : None.
Prepared by: Nexreg Compliance, Inc.
Prepared for: Cummins Filtration

Full text of H-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 2	Carcinogenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
STOT SE 1	Specific target organ toxicity — Single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

SDS HazCom 2012 - WHMIS 2015 (Nexreg) 2021

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.