

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard

EASTMAN

Skydrol® 500B-4 Fire Resistant Hydraulic Fluid

PRD / SDSUS / Z8 / 0001

Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

SECTION 1. IDENTIFICATION

Product name : Skydrol® 500B-4 Fire Resistant Hydraulic Fluid

Product code : 34101-00, P3410105, P3410100, P3410101, P3410103, P3410102, P3410104, P3410106, P3410107

Manufacturer or supplier's details

Company name of supplier : Eastman Chemical Company

Address : 200 South Wilcox Drive
Kingsport TN 37660-5147

Telephone : (423) 229-2000

Emergency telephone : CHEMTREC: +1-800-424-9300, +1-703-527-3887 CCN7321

Recommended use of the chemical and restrictions on use

Recommended use : Hydraulic fluids

Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION

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

Hazards for the product as supplied

Carcinogenicity : Category 2

Other hazards

None known.

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H351 Suspected of causing cancer.

Precautionary Statements : **Prevention:**
P201 Obtain special instructions before use.

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P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves, protective clothing, eye protection and face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS No./Unique ID	Concentration (% w/w)	Trade secret
Dibutylphenylphosphate	2528-36-1*	40 - 70	-
Tributyl phosphate	126-73-8*	19 - 20	-
Butyl diphenyl phosphate	2752-95-6*	10 - 30	-
7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester	62256-00-2*	< 10	-
butylated hydroxytoluene	128-37-0*	0.1 - < 1	-

* Indicates that the identifier is a CAS No.

Eastman is committed to the safety, health and environment of our employees, our customers, and the communities we operate within. As part of this commitment, Eastman's Safety Data Sheets (SDS) are prepared in accordance with all applicable national and local regulations. The compositions of our documents reflect these requirements which include, but are not limited to, requirements under the Globally Harmonized System of Classification and Labeling (GHS). These compositions commonly involve the use of ranges versus specific analytical values. If you require a composition that is more specific, please refer to the Certificate of Analysis, sales specification, or contact your Customer Service Representative.

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
If breathing is difficult, give oxygen.
Consult a physician if necessary.

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In case of skin contact	:	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	:	Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	Suspected of causing cancer.
Notes to physician	:	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Carbon dioxide (CO2) Dry chemical Foam
Unsuitable extinguishing media	:	Do not use a solid water stream as it may scatter and spread fire.
Hazardous combustion products	:	Carbon monoxide Carbon dioxide (CO2) oxides of phosphorus
Further information	:	Use a water spray to cool fully closed containers. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for fire-fighters	:	Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ventilate the area. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Avoid contact with skin and eyes.
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Material can create slippery conditions.
Wear appropriate personal protective equipment.
Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions : Clear up spills immediately and dispose of waste safely.
Avoid release to the environment.
Collect spillage.

Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe vapors or spray mist.
Handle product only in closed system or provide appropriate exhaust ventilation at machinery.
In case of insufficient ventilation, wear suitable respiratory equipment.
Wear appropriate personal protective equipment.
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
Wash contaminated clothing before reuse.
Drain or remove substance from equipment prior to break-in or maintenance.
Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage : Store locked up.
Keep container tightly closed in a dry and well-ventilated place.
Keep in a cool place away from oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Dibutylphenylphosphate	2528-36-1	TWA	0.3 ppm	ACGIH
Tributyl phosphate	126-73-8	TWA (Inhalable fraction and vapor)	5 mg/m3	ACGIH
		TWA	0.2 ppm 2.5 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-1
		TWA	0.2 ppm	OSHA P0

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			2.5 mg/m3	
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Engineering measures : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.
Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hand protection

Remarks : Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations.

Eye protection : Wear safety glasses with side shields (or goggles).

Skin and body protection : Wear suitable protective clothing.

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid, oily

Color : purple

Odor : odorless

Odor Threshold : not determined

pH : No data available

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Melting point/ range	:	< -80 °F / -62 °C
Boiling point/boiling range	:	not determined
Flash point	:	> 351 °F / 177 °C Method: Cleveland open cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Self-ignition	:	748 °F / 398 °C Method: ASTM D2155
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapor pressure	:	0.27 hPa (77 °F / 25 °C)
Relative vapor density	:	No data available
Relative density	:	1.052 - 1.060 (77 °F / 25 °C)
Density	:	1,052 - 1,060 kg/m3 (77 °F / 25 °C)
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	not determined
Decomposition temperature	:	not determined
Viscosity		
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	< 2,900 mm2/s (-65 °F / -54 °C) 11.4 - 12.4 mm2/s (100 °F / 38 °C) 3.68 - 4 mm2/s (210 °F / 99 °C)
Explosive properties	:	Not classified
Oxidizing properties	:	Not classified

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1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None known.
Conditions to avoid	: None known.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Emits acrid smoke and fumes when heated to decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified due to lack of data.

Product:

Acute inhalation toxicity	: LC50 (Rat, male and female): > 4.5 mg/l Exposure time: 4 h Test atmosphere: vapor Assessment: The substance or mixture has no acute inhalation toxicity Remarks: (highest concentration tested)
Acute dermal toxicity	: LD50 Dermal (Rabbit, male and female): > 7,940 mg/kg Assessment: Not classified

Components:

Dibutylphenylphosphate:

Acute oral toxicity	: Acute toxicity estimate (Rat, male and female): 2,400 - 3,000 mg/kg Assessment: Not classified
Acute inhalation toxicity	: LCLo (Rat, male and female): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist LC50 (Rat, male and female): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: Not classified
Acute dermal toxicity	: LD50 Dermal (Rabbit, male and female): > 5,000 mg/kg Assessment: Not classified

SAFETY DATA SHEET

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EASTMAN

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Tributyl phosphate:

Acute oral toxicity	:	LD50 Oral (Rat, male and female): 1,553 mg/kg Assessment: Harmful if swallowed.
		LD50 Oral (Rat, male and female): 1,400 mg/kg
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 4.242 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50 Dermal (Rabbit, male and female): > 3,100 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Acute oral toxicity	:	LD50 Oral (Rat, male and female): 4,470 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit, male and female): > 7,940 mg/kg

butylated hydroxytoluene:

Acute oral toxicity	:	LD50 Oral (Rat): > 6,000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Guinea pig): > 20,000 mg/kg

Skin corrosion/irritation

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

Product:

Species	:	Rabbit
Exposure time	:	24 h
Assessment	:	Not classified as hazardous.
Result	:	No skin irritation

Components:

Dibutylphenylphosphate:

Species	:	Rabbit
Assessment	:	Not classified

Species	:	Humans
Exposure time	:	24 h
Assessment	:	Not classified

Tributyl phosphate:

Species	:	Rabbit
Exposure time	:	4 h

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Assessment : Causes skin irritation.
Result : irritating

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Species : Rabbit
Exposure time : 24 h
Assessment : Not classified as hazardous.
Result : slight to moderate irritation

butylated hydroxytoluene:

Species : Rabbit
Exposure time : 24 h
Result : very slight

Serious eye damage/eye irritation

Not classified due to lack of data.

Product:

Species : Rabbit
Exposure time : 24 h
Assessment : Not classified

Components:

Dibutylphenylphosphate:

Species : Rabbit
Result : slight
Assessment : Not classified

Tributyl phosphate:

Species : Rabbit
Result : slight irritation
Exposure time : 24 h
Assessment : Not classified

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Species : Rabbit
Result : slight irritation
Exposure time : 24 h
Assessment : Not classified

butylated hydroxytoluene:

Species : Rabbit
Result : none

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Respiratory or skin sensitization

Skin sensitization

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

Respiratory sensitization

Not classified due to lack of data.

Product:

Test Type	:	Skin Sensitization
Assessment	:	Not classified
Method	:	Human Repeat Insult Patch Test
Result	:	Does not cause skin sensitization.

Components:

Dibutylphenylphosphate:

Test Type	:	Human experience
Species	:	Humans
Assessment	:	Not classified
Result	:	non-sensitizing

Tributyl phosphate:

Test Type	:	Skin Sensitization
Species	:	Guinea pig
Assessment	:	Not classified
Result	:	Does not cause skin sensitization.

Test Type	:	Skin Sensitization
Species	:	Humans
Assessment	:	Not classified
Result	:	Does not cause skin sensitization.

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Test Type	:	Skin Sensitization
Species	:	Guinea pig
Result	:	May cause sensitization by skin contact.

butylated hydroxytoluene:

Test Type	:	Skin sensitization
Species	:	Guinea pig
Result	:	non-sensitizing

Germ cell mutagenicity

Not classified due to lack of data.

Product:

Genotoxicity in vitro	:	Test Type: Salmonella typhimurium assay (Ames test) Metabolic activation: +/- activation Method: Bacterial Reverse Mutation Assay
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Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

Result: negative

Test Type: Mutagenicity - Mammalian
Metabolic activation: +/- activation
Method: In vitro Mammalian Cell Gene Mutation Test
Result: negative
GLP: yes

Components:

Dibutylphenylphosphate:

Genotoxicity in vitro : Test Type: Salmonella typhimurium assay (Ames test)
Metabolic activation: +/- activation
Method: Bacterial Reverse Mutation Assay
Result: negative

Test Type: Mutagenicity - Mammalian
Metabolic activation: +/- activation
Method: In vitro Mammalian Cell Gene Mutation Test
Result: negative

Test Type: Chromosome aberration test in vitro
Metabolic activation: +/- activation
Method: In vitro Mammalian Chromosome Aberration Test
Result: negative

Test Type: Mutagenicity - Mammalian
Metabolic activation: - activation
Method: OECD Guideline 482
Result: negative

Genotoxicity in vivo : Species: Rat (male and female)
Application Route: intraperitoneal injection
Result: negative

Tributyl phosphate:

Genotoxicity in vitro : Test Type: Mutagenicity - Bacterial
Metabolic activation: +/- activation
Method: Bacterial Reverse Mutation Assay
Result: negative

Test Type: Mutagenicity - Mammalian
Metabolic activation: +/- activation
Method: In vitro Mammalian Chromosome Aberration Test
Result: equivocal

Genotoxicity in vivo : Species: Rat (male and female)
Application Route: oral: gavage
Method: Mammalian Bone Marrow Chromosome Aberration Test
Result: negative

SAFETY DATA SHEET

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PRD / SDSUS / Z8 / 0001

Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Genotoxicity in vitro	: Test Type: Salmonella typhimurium assay (Ames test) Metabolic activation: +/- activation Method: Bacterial Reverse Mutation Assay Result: negative Test Type: Mutagenicity - Mammalian Metabolic activation: +/- activation Method: In vitro Mammalian Chromosome Aberration Test Result: equivocal Test Type: Mutagenicity - Mammalian Metabolic activation: +/- activation Method: In vitro Mammalian Cell Gene Mutation Test Result: negative
Genotoxicity in vivo	: Species: Rat (male and female) Application Route: intraperitoneal injection Method: Mammalian Bone Marrow Chromosome Aberration Test Result: equivocal

Carcinogenicity

Suspected of causing cancer.

Product:

Remarks : This information is not available.

Components:

Tributyl phosphate:

Species	: Rat, male and female
Application Route	: Ingestion
Method	: EPA OTS 798.3300
Remarks	: Limited evidence of a carcinogenic effect. May cause cancer.

IARC	Group 2B: Possibly carcinogenic to humans
	n-butyl methacrylate 97-88-1

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified due to lack of data.

Product:

Effects on fertility : Remarks: No data available

SAFETY DATA SHEET

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EASTMAN

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PRD / SDSUS / Z8 / 0001

Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

STOT-single exposure

Not classified due to lack of data.

Product:

Routes of exposure	:	Inhalation
Assessment	:	Not classified

Components:

Dibutylphenylphosphate:

Assessment	:	Not classified
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Tributyl phosphate:

Assessment	:	Based on available data, the classification criteria are not met.
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STOT-repeated exposure

Not classified due to lack of data.

Product:

Routes of exposure	:	Inhalation
Target Organs	:	Blood, Liver
Assessment	:	Not classified

Components:

Dibutylphenylphosphate:

Routes of exposure	:	inhalation (dust/mist/fume)
Target Organs	:	Respiratory system
Assessment	:	Not classified

Tributyl phosphate:

Assessment	:	Based on available data, the classification criteria are not met.
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Repeated dose toxicity

Product:

Species	:	Rat, male and female
NOAEL	:	100 mg/m3
Exposure time	:	90 days
Target Organs	:	Blood, Liver

Components:

Dibutylphenylphosphate:

Species	:	Rat, male and female
NOAEL	:	5 mg/kg
LOAEL	:	50 mg/kg

SAFETY DATA SHEET

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EASTMAN

Skydrol® 500B-4 Fire Resistant Hydraulic Fluid

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Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
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Application Route : oral (feed)
Exposure time : 90 days

Species : Rat, male and female
: 5 mg/m3

Application Route : Inhalation
Exposure time : 90 days

Species : Rabbit, male and female
NOAEL : 100 mg/kg bw/day
Application Route : Dermal Study
Exposure time : 21 d

Tributyl phosphate:

Species : Mouse, male and female
: 75 mg/kg
Application Route : in feed
Exposure time : 90 days

Aspiration toxicity

Not classified due to lack of data.

Product:

Not applicable

Components:

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Not applicable

Experience with human exposure

Product:

Inhalation : Remarks: None known.

Skin contact : Remarks: None known.

Eye contact : Remarks: None known.

Ingestion : Remarks: None known.

Further information

Product:

Remarks : None known.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/l
Exposure time: 96 h
Test Type: EPA-660/3-75-009 Methods for Acute Toxicity Tests with Fish, Macroinvertebrates, and Amphibians, April 1975

EC50 (Pimephales promelas (fathead minnow)): 3.0 mg/l
Exposure time: 96 h
Test Type: EPA-660/3-75-009 Methods for Acute Toxicity Tests with Fish, Macroinvertebrates, and Amphibians, April 1975

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 6.5 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 7.8 mg/l
Exposure time: 72 h

Components:

Dibutylphenylphosphate:

Toxicity to fish : LL50 (Cyprinus carpio (Carp)): 1.8 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.4 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EL50 (Selenastrum capricornutum (green algae)): 9.6 mg/l
Exposure time: 72 h
Method: EL50 method of the water accommodated fraction (W.A.F.)

NOELR (Selenastrum capricornutum (green algae)): 3.5 mg/l
Exposure time: 72 h
Method: EL50 method of the water accommodated fraction (W.A.F.)

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 0.11 mg/l
Exposure time: 60 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.106 mg/l
Exposure time: 21 d

Tributyl phosphate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.2 mg/l

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Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.8 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 1.1 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.82 mg/l
Exposure time: 95 d

1.7 mg/l

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1.3 mg/l
Exposure time: 21 d

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (algae)): 2.6 mg/l
Exposure time: 72 h

NOEC (Pseudokirchneriella subcapitata (algae)): 0.11 mg/l
Exposure time: 72 h

butylated hydroxytoluene:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 0.57 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.48 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): > 0.24 mg/l
Exposure time: 72 h

NOEC (Pseudokirchneriella subcapitata (algae)): 0.24 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC (Oryzias latipes (Orange-red killifish)): 0.053 mg/l
Exposure time: 30 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.069 mg/l
Exposure time: 21 d

Persistence and degradability

Product:

Biochemical Oxygen Demand (BOD) : Remarks: No data available

Chemical Oxygen Demand : Remarks: No data available

SAFETY DATA SHEET

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Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

(COD)

Components:

Dibutylphenylphosphate:

Biodegradability : Method: Ready Biodegradability: Manometric Respirometry Test

Remarks: Readily biodegradable

Method: Ready Biodegradability: Modified MITI Test (I)

Remarks: Not readily biodegradable.

Tributyl phosphate:

Biodegradability : Result: Readily biodegradable.

7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 2-ethylhexyl ester:

Biodegradability : Concentration: 100 mg/l
Result: Readily biodegradable.
Method: Ready Biodegradability: Modified MITI Test (I)
Remarks: Readily biodegradable

Bioaccumulative potential

Components:

Dibutylphenylphosphate:

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 35
Method: OECD Test Guideline 305

Tributyl phosphate:

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 20
Exposure time: 56 d
Method: OECD Test Guideline 305

Bioconcentration factor (BCF): 35
Exposure time: 38 d

Partition coefficient: n-octanol/water : Pow: 10,100

Mobility in soil

No data available

Other adverse effects

No data available

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard

EASTMAN

Skydrol® 500B-4 Fire Resistant Hydraulic Fluid

PRD / SDSUS / Z8 / 0001

Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

Endocrine disrupting properties

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : This product meets the criteria for a synthetic used oil under the U.S. EPA Standards for the Management of Used Oil (40 CFR 279). Those standards govern recycling and disposal in lieu of 40 CFR 260 -272 of the Federal hazardous waste program in states that have adopted these used oil regulations. Consult your attorney or appropriate regulatory official to be sure these standards have been adopted in your state. Recycle or burn in accordance with the applicable standards.
Dispose of in accordance with local regulations.

Must be incinerated.
Minimum incineration temperature necessary to ensure complete destruction of waste:
incineration above 900 C is necessary.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SAFETY DATA SHEET

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PRD / SDSUS / Z8 / 0001

Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

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 : Carcinogenicity

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TECI	: Not listed

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard

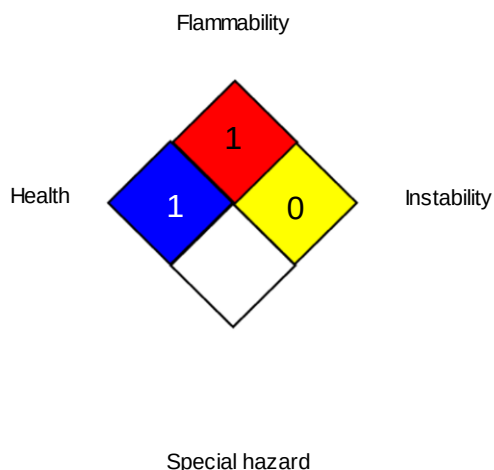
EASTMAN

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PRD / SDSUS / Z8 / 0001

Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
1.7	05/08/2026	150000093408	Date of first issue: 09/06/2016

NFPA 704:



HMIS® IV / CED:

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification 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; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse)

SAFETY DATA SHEET

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Version	Revision Date:	SDS Number:	Date of last issue: 10/09/2025
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Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to : www.EastmanAviationSolutions.com
compile the Material Safety
Data Sheet

Revision Date : 05/08/2026

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.

US / Z8