

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Eastman(TM) Turbo Oil 2389

Product code : 34360-00, E3436001, P3436000, P3436001, P3436002

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-
stance/Mixture : Lubricant

Recommended restrictions : None known.
on use

1.3 Details of the supplier of the safety data sheet

Company : Eastman Chemical Company
200 South Wilcox Drive
37660-5280 Kingsport

Telephone : +14232292000

E-mail address of person
responsible for the SDS : Visit our website at www.EASTMAN.com or email
emnmsds@eastman.com

1.4 Emergency telephone

For emergency health, safety, and environmental information: telephone 800-EASTMAN or 423 229-4511 in the United States; or +44 (0)1235 239 670 in Europe. For emergency transportation information, call +44(0)1235 239 670; or 800 964214 in England; 01800559700 in Eire; or 423-229-4511 in the United States. Identify the call as a transportation emergency.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

Additional Labeling

EUH210 Safety data sheet available on request.

EUH208 Contains N-phenyl-1-naphthylamine. May produce an allergic reaction.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Tricresyl phosphate	1330-78-5 215-548-8	Repr. 2; H361 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1	>= 1 - < 2,5
N-phenyl-1-naphthylenamine	90-30-2 201-983-0	Acute Tox. 4; H302 Skin Sens. 1; H317 STOT RE 2; H373 (Cardio-vascular system) Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- If inhaled : Move to fresh air.
If breathing is difficult, give oxygen.
Consult a physician if necessary.
- In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

Wash contaminated clothing before reuse.
If symptoms persist, call a physician.

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 : Rinse mouth.
Call a physician or poison control center immediately.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Prolonged skin contact may defat the skin and produce dermatitis.
Contact with hot product will cause thermal burns.
Inhalation of thermal decomposition products may lead to adverse effects including pulmonary edema.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray
Foam
Dry powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : Carbon monoxide
Carbon dioxide (CO₂)
Oxides of phosphorus

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

Further information : In case of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Prevent fire extinguishing water from contaminating surface water or the ground water system.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ventilate the area.
Material can create slippery conditions.
Use personal protective equipment.
Local authorities should be advised if significant spillages cannot be contained.

6.2 Environmental precautions

Environmental precautions : Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Methods for 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).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.
Do not get in eyes.
Do not get on skin or clothing.
Wash thoroughly after handling.
Do not breathe vapors or spray mist.
Use only in area provided with appropriate exhaust ventilation.
Drain or remove substance from equipment prior to break-in or maintenance.
Wear appropriate personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)

Specific use(s) : www.EastmanAviationSolutions.com

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

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

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

Hand protection

Material : Recommended gloves:

Material : Nitrile rubber

Remarks : Wear suitable gloves. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Color : amber

Odor : No data available

Odor Threshold : not determined

Melting point/freezing point : -54 °C

Boiling point/boiling range : not determined

Flammability : Not applicable

Upper explosion limit / Upper flammability limit : not determined

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	210 °C Method: Cleveland open cup
Autoignition temperature	:	not determined
Decomposition temperature	:	not determined
Decomposition temperature	:	not determined
pH	:	not determined
Viscosity	:	not determined
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	11,5 mm ² /s (40 °C) 3 mm ² /s (100 °C)
Solubility(ies)	:	insoluble
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	Not applicable
Vapor pressure	:	not determined
Relative density	:	0,95 (15,6 °C)
Density	:	950 kg/m ³ (15,6 °C)
Relative vapor density	:	not determined

9.2 Other information

Explosives	:	Not classified
Oxidizing properties	:	Not classified
Evaporation rate	:	not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Conditions to avoid : Keep away from sources of ignition - No smoking.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

Emits acrid smoke and fumes when heated to decomposition.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	LD50 (Rat): > 10.000 mg/kg Assessment: Not classified
Acute inhalation toxicity	:	Acute toxicity estimate: Exposure time: 4 h Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Read-across from a similar material
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 3.160 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

Components:

Tricresyl phosphate:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5,2 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 10.000 mg/kg

N-phenyl-1-naphthylenamine:

Acute oral toxicity	:	LD50 Oral (Rat): 1.250 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 2.000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

Product:

Species : Rabbit
Exposure time : 24 h
Assessment : Not classified
Result : slight
Remarks : Based on available data, the classification criteria are not met.

Components:

Tricresyl phosphate:

Species : Rabbit
Exposure time : 24 h
Assessment : Not classified as hazardous.
Result : Non-irritating to the skin.

N-phenyl-1-naphthylenamine:

Species : Rabbit
Assessment : Not classified
Result : none

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species : Rabbit
Assessment : No eye irritation
Result : slight

Components:

Tricresyl phosphate:

Species : Rabbit
Assessment : Not classified

N-phenyl-1-naphthylenamine:

Species : Rabbit
Assessment : Not classified
Result : slight

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Test Type : Skin sensitization
Species : Humans

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

Assessment : Not classified
Method : Human Repeat Insult Patch Test
Result : Does not cause skin sensitisation.
Remarks : Read-across from a similar material

Components:

Tricresyl phosphate:

Test Type : Skin Sensitization
Assessment : Not classified

N-phenyl-1-naphthylenamine:

Assessment : Skin sensitization
Result : sensitizing

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro : Test Type: Mutagenicity
Metabolic activation: Read-across from a similar material
Result: Based on available data, the classification criteria are not met.

Genotoxicity in vivo : Test Type: Mutagenicity
Result: Based on available data, the classification criteria are not met.
Remarks: Read-across from a similar material

Components:

Tricresyl phosphate:

Genotoxicity in vitro : Test Type: various
Result: Based on available data, the classification criteria are not met.
Remarks: Not classified

Genotoxicity in vivo : Test Type: various
Result: Based on available data, the classification criteria are not met.

Carcinogenicity

Not classified based on available information.

Product:

Species : Mouse
Application Route : Dermal
Remarks : Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

Reproductive toxicity

Not classified based on available information.

Product:

Reproductive toxicity - Assessment : No toxicity to reproduction

Components:

Tricresyl phosphate:

Reproductive toxicity - Assessment : May damage the unborn child. Suspected of damaging fertility.

STOT-single exposure

Not classified based on available information.

Product:

Routes of exposure : inhalation (dust/mist/fume)
Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Components:

Tricresyl phosphate:

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

STOT-repeated exposure

Not classified based on available information.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Components:

Tricresyl phosphate:

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

N-phenyl-1-naphthylenamine:

Assessment : Not classified

Repeated dose toxicity

Product:

Remarks : No known significant effects or critical hazards.

Components:

Tricresyl phosphate:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

Species : Rat
: 300 mg/l

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Components:

Tricresyl phosphate:

Not classified

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Routes of exposure

Product:

Inhalation : Remarks: None known.

Skin contact : Remarks: Prolonged skin contact may defat the skin and produce dermatitis.

Eye contact : Remarks: Contact with the eyes may be very painful but does not cause damage.

Ingestion : Remarks: None known.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Fish): Exposure time: 96 h
Remarks: Not classified as hazardous.
(limit of solubility in fresh water)
Read-across from a similar material

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): Exposure time: 48 h
Remarks: Not classified as hazardous.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

(limit of solubility in fresh water)
Read-across from a similar material

Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (algae)): Exposure time: 72 h
Remarks: Not classified as hazardous.
(limit of solubility in fresh water)
Read-across from a similar material

Toxicity to fish (Chronic toxicity) : NOEC:
Species: Fish
Remarks: Not classified as hazardous.
(limit of solubility in fresh water)
Read-across from a similar material

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC:
Remarks: Not classified as hazardous.
(limit of solubility in fresh water)
Read-across from a similar material

Components:

Tricresyl phosphate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,6 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,146 mg/l
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 1

N-phenyl-1-naphthylamine:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,44 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,30 - 0,68 mg/l
Exposure time: 48 h

Toxicity to microorganisms : EC50 (Bacteria):
Exposure time: 3 h

12.2 Persistence and degradability

Product:

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

Chemical Oxygen Demand (COD) : Remarks: No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Not applicable
Mixture

Components:

Tricresyl phosphate:

Bioaccumulation : Bioconcentration factor (BCF): 2.000

Partition coefficient: n- : Pow: 860.000
octanol/water log Pow: 5,93

12.4 Mobility in soil

Components:

Tricresyl phosphate:

Distribution among environ- : log Koc: 4,31
mental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

SECTION 14: Transport information

14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

:

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

Not applicable

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
AIIIC	:	On the inventory, or in compliance with the inventory
DSL	:	All components of this product are on the Canadian DSL
KECI	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

None.

SECTION 16: Other information

Full text of H-Statements

H302	:	Harmful if swallowed.
H317	:	May cause an allergic skin reaction.
H361	:	Suspected of damaging fertility or the unborn child.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Repr.	:	Reproductive toxicity
Skin Sens.	:	Skin sensitization
STOT RE	:	Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - Interna-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

EASTMAN

Eastman(TM) Turbo Oil 2389

Version	Revision Date:	SDS Number:	Date of last issue: 20.07.2016
4.2	02.07.2021	150000097796	Date of first issue: 03.06.2014
PRD		SDSEU / EN / 0001	

tional 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 Organisation 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

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

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.

ZW / EN