

**Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 15/05/2017. Revision date: 09/11/2022. Supersedes version of: 20/11/2020. Version: 2.0

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

### 1.1. Product identifier

Product form	Mixture
Product name	RIDEX PLUS ATF CVT
Product code	P41131-RID001
Product group	Blend

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

#### 1.2.1. Relevant identified uses

Main use category	Industrial use, professional use, consumer use
Industrial/professional use specifications	Non-dispersive use Used in closed systems
Function or use category	Lubricants and additives

#### 1.2.2. Uses advised against

No additional information available.

### 1.3. Details of the supplier of the safety data sheet

<b>RIDEX GmbH</b>	Josef-Orlopp-Straße 55 10365 Berlin, Germany	www.ridex.eu info@ridex.de	+49 302 202 72 34
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### 1.4. Emergency telephone number

**Emergency number :** +32 70 245 245 Belgian Anti-Poison Centre, Bruynstraat 1, 1120 Brussels

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified.

#### Adverse physicochemical, human health, and environmental effects

No additional information available.

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**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

EUH-statements	EUH210 - Safety data sheet available on request.
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**2.3. Other hazards**

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list made in accordance with Article 59(1) of REACH for having endocrine-disrupting properties, or is not identified as having endocrine-disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

Comments	The mineral oils in the product contain < 3% DMSO extract (IP 346)
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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction product of alkylthioalcohol and substituted phosphorus compound	EC-No.: 424-820-7 REACH-No.: 01-0000017126-75	0.1-0.99	Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg body weight) Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

Full text of H- and EUH-statements: see Section 16.

**SECTION 4: First-aid measures****4.1. Description of first-aid measures**

First-aid measures after inhalation	Not expected to require first-aid measures.
First-aid measures after skin contact	Wash skin with mild soap and water.
First-aid measures after eye contact	In case of eye contact, immediately rinse with clean water for 10-15 minutes.

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First-aid measures after ingestion	Do not induce vomiting. Rinse mouth. Seek immediate medical advice/attention.
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**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects after inhalation	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

**4.3. Indication of any immediate medical attention and special treatment needed**

No additional information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media	Water fog, foam, powder, dry chemical product.
Unsuitable extinguishing media	Do not use a heavy water stream.

**5.2. Special hazards arising from the substance or mixture**

No additional information available.

**5.3. Advice for firefighters**

Precautionary fire measures	Exercise caution when fighting any chemical fire.
Firefighting instructions	Use water spray or fog for cooling exposed containers.
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**

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**6.1.1. For non-emergency personnel**

Protective equipment	Wear suitable protective clothing and gloves.
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**6.1.2. For emergency responders**

Protective equipment	Wear suitable protective clothing and gloves.
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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 and recover large spill by mixing it with inert granular solids.
Methods for cleaning up	Detergent. Take up liquid spill into absorbent material: sand, saw dust, kieselguhr.
Other information	Spill area may be slippery. Use suitable disposal containers.

**6.4. Reference to other sections**

No additional information available.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Precautions for safe handling	Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.
Handling temperature	< 40°C
Hygiene measures	Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

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

Storage temperature	≤ 40°C
Storage area	Store in dry, cool, well-ventilated area.

**7.3. Specific end use(s)**

No additional information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available.

#### 8.1.2. Recommended monitoring procedures

No additional information available.

#### 8.1.3. Air contaminants formed

No additional information available.

#### 8.1.4. DNEL and PNEC

Additional information	5 mg/m <sup>3</sup> for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).
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#### 8.1.5. Control banding

No additional information available.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

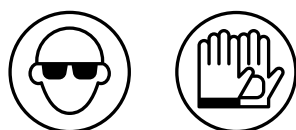
No additional information available.

#### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Safety glasses and gloves.

**Personal protective equipment symbol(s):**



##### 8.2.2.1. Eye and face protection

No additional information available.

##### 8.2.2.2. Skin protection

**Skin and body protection:**

No special clothing/skin protection equipment is recommended under normal conditions of use.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	minimum (> 480 min, long-term exposure)	> 0.35		

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**8.2.2.3. Respiratory protection**
**Respiratory protection:**

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

**8.2.2.4. Thermal hazards**

No additional information available.

**8.2.3. Environmental exposure controls**

No additional information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Green
Appearance	Oily liquid
Odour	Characteristic
Odour threshold	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flammability	Not available
Explosive limits	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Flash point	> 150°C at ASTM D92
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	Not available
Viscosity, kinematic	31 mm <sup>2</sup> /s at 40°C
Solubility	Slightly soluble, the product remains on the water surface
Partition coefficient n-octanol/water (Log K <sub>ow</sub> )	Not available
Vapour pressure	Not available
Vapour pressure at 50°C	Not available
Density	851 kg/m <sup>3</sup> at 15°C

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Relative density	Not available
Relative vapour density at 20°C	Not available
Particle characteristics	Not applicable

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available.

### 9.2.2. Other safety characteristics

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Strong oxidisers, acids, bases.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

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

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

Reaction product of alkylthioalcohol and substituted phosphorus compound	
Oral LD <sub>50</sub>	> 2000 mg/kg 67/548/EEG Annex V, B1
Dermal LD <sub>50</sub>	> 500 mg/kg 67/548/EEG AnnexV, B3

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
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

RIDEX PLUS ATF CVT	
Viscosity, kinematic	31 mm <sup>2</sup> /s at 40°C

## 11.2. Information on other hazards

No additional information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	Based on available data, the classification criteria are not met.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified

Reaction product of alkylthioalcohol and substituted phosphorus compound	
LC <sub>50</sub> - fish [1]	1.5 mg/l OECD203 - Oncorhynchus mykiss
EC <sub>50</sub> - crustacea [1]	0.09 mg/l OECD 202 - EL50



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**Reaction product of alkylthioalcohol and substituted phosphorus compound**

EC <sub>50</sub> 72 h - algae [1]	0.31 mg/l 67/548/EEG Annex V,C3
Chronic NOEC	0.14 (0.01–0.1) mg/l Daphnia

**12.2. Persistence and degradability****RIDEX PLUS ATF CVT**

Persistence and degradability	Not soluble in water, so only minimally biodegradable.
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**Reaction product of alkylthioalcohol and substituted phosphorus compound**

Persistence and degradability	Not readily biodegradable.
Biodegradation	52.9% at 60 d - OECD 301B - 10 mg/l

**12.3. Bioaccumulative potential****Reaction product of alkylthioalcohol and substituted phosphorus compound**

Bioaccumulative potential	Potential to bioaccumulate.
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**12.4. Mobility in soil****Reaction product of alkylthioalcohol and substituted phosphorus compound**

Ecology - soil	Adsorbs into the soil.
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**12.5. Results of PBT and vPvB assessment**

No additional information available.

**12.6. Endocrine-disrupting properties**

No additional information available.

**12.7. Other adverse effects**

No additional information available.

**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods**

Additional information	Dispose in a safe manner in accordance with local/national regulations.
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**SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**14.5. Environmental hazards**

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

**14.6. Special precautions for user**

Overland transport	Transport by sea	Air transport	Inland waterway transport	Rail transport
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable.

**SECTION 15: Regulatory information**

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

### 15.1.1. EU Regulations

**REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions).

**REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List).

**REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List.

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

**Ozone Regulation (1005/2009)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors).

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

### 15.1.2. National regulations

<b>Germany</b>	
Water hazard class (WGK)	WGK 1, Slightly hazardous to water (classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV)	Is not subject of the Hazardous Incident Ordinance (12. BImSchV).
<b>Netherlands</b>	
SZW-lijst van kankerverwekkende stoffen	None of the components are listed
SZW-lijst van mutagene stoffen	None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	None of the components are listed
<b>Denmark</b>	
Danish National Regulations	Pregnant/breastfeeding women working with the product must not be in direct contact with the product.
<b>Switzerland</b>	
Storage class (LK)	LK 10/12 - Liquids

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**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out for the substance or the mixture by the supplier.

**SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3	Composition/information on ingredients	Modified	
7.2	Storage temperature	Modified	
9.1	Density	Modified	
12.1	Ecology - general	Added	

Abbreviations and acronyms:	
ACGIH	American Conference of Governmental Industrial Hygienists
TWA	Time Weighted Average
TLV	Threshold Limit Value
ASTM	American Society for Testing and Materials
ADR	Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADNR	Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
IMDG	International Maritime Dangerous Goods
ICAO	International Civil Aviation Organization
IATA	International Air Transport Association
STEL	Short Term Exposure Limit
LD <sub>50</sub>	Median Lethal Dose
ATE	Acute Toxicity Estimate
LC <sub>50</sub>	Median Lethal Concentration

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**Abbreviations and acronyms:**

EC <sub>50</sub>	Median Effective Concentration
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**Other information:**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any guarantee, express or implied, regarding its correctness. The conditions or methods of handling, storage, use, or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

**Full text of H- and EUH-statements:**

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4.
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1.
EUH210	Safety data sheet available on request.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B.

**Safety Data Sheet (SDS), EU**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.