

HONDA	SAFETY DATA SHEET	Page : 1 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

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

1.1. Product identifier

Product form : Mixture
Trade name/designation : Honda ATF DW1
Product code : 0826899901HE , 0826899904HE
Document no. : HONDA-608

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Lubricant

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Honda Motor Europe Logistics NV
Langerbruggestraat 104
9000 Gent - BELGIUM
T +32 (0)9 250 1211 - F +32 (0)9 250 1230
HMEL.SDS@honda-eu.com

1.4. Emergency telephone number

Emergency number : +32 (0)3 575 0330
This telephone number is available 24 hours per day, 7 days per week.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aquatic Chronic 3 H412

Full text of H statements : see section 16

2.2. Label elements

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

Signal word : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P273 - Avoid release to the environment.
P501 - Dispose of contents and container to an approved waste disposal plant.
Extra phrases : EUH208 - Contains Isooctadecanoic acid, reaction products with

HONDA	SAFETY DATA SHEET	Page : 2 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

tetraethylenepentamine, N-Phenyl-1-Naphthylamine. May produce an allergic reaction.

2.3. Other hazards

Other hazards : Results of PBT and vPvB assessment : Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates, petroleum, hydrotreated light paraffinic	(CAS-No.) 64742-55-8 (EC-No.) 265-158-7 (EC Index) 649-468-00-3 (REACH-no) 01-2119487077-29-xxxx	70 - < 80	Asp. Tox. 1, H304
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	(CAS-No.) 68411-46-1 (EC-No.) 270-128-1 (EC Index) -	1 - < 2	Aquatic Chronic 3, H412
Isooctadecanoic acid, reaction products with tetraethylenepentamine	(CAS-No.) 68784-17-8 (EC-No.) 272-225-4	0,1 - < 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
2,6-di-tert-butyl-p-cresol	(CAS-No.) 128-37-0 (EC-No.) 204-881-4 (REACH-no) 01-2119555270-46-xxxx	0,1 - < 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
N-Phenyl-1-Naphthylamine	(CAS-No.) 90-30-2 (EC-No.) 201-983-0	0,1 - < 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.
Ingestion	: Rinse mouth thoroughly with water. Do not induce vomiting. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	: Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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HONDA	SAFETY DATA SHEET	Page : 3 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

- Skin contact : Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
- Eyes contact : Contact with eyes may cause irritation.
- Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.
- Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Specific hazards : Not flammable. Heating causes rise in pressure with risk of bursting. Combustible liquid.
- Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Hydrocarbons. Thermal decomposition can lead to the escape of irritating gases and vapours.

5.3. Advice for firefighters

- Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
- Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

- For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

HONDA	SAFETY DATA SHEET	Page : 4 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment.
- Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.
- Incompatible materials : Strong oxidizing agents. Strong bases.
- Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Packaging materials : Keep only in the original container.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2,6-di-tert-butyl-p-cresol (128-37-0)		
Austria	MAK (mg/m ³)	10 mg/m ³
Belgium	Limit value (mg/m ³)	2 mg/m ³ (aerosol and vapor)
Bulgaria	OEL TWA (mg/m ³)	10 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	50 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	10 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	10 mg/m ³
Finland	HTP-arvo (15 min)	20 mg/m ³
France	VME (mg/m ³)	10 mg/m ³
Germany	Occupational exposure limit value (mg/m ³)	10 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece	OEL TWA (mg/m ³)	10 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	2 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	6 mg/m ³ (calculated)
Portugal	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable fraction, aerosol and vapor)
Slovenia	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable fraction)
Slovenia	OEL STEL (mg/m ³)	40 mg/m ³ (inhalable fraction)
Spain	VLA-ED (mg/m ³)	10 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated)

HONDA	SAFETY DATA SHEET	Page : 5 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

2,6-di-tert-butyl-p-cresol (128-37-0)		
Switzerland	MAK (mg/m ³)	10 mg/m ³ (aerosol, inhalable dust, vapour)
Switzerland	KZGW (mg/m ³)	40 mg/m ³ (aerosol, inhalable dust, vapour)
Australia	TWA (mg/m ³)	10 mg/m ³
Canada (Quebec)	VECD (mg/m ³)	10 mg/m ³
USA - ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (inhalable fraction and vapor)
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	10 mg/m ³

Additional information : Personal air monitoring :. Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. Safe handling: see section 7 .

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection : Wear chemically resistant gloves (tested to EN374) . Suitable material: Nitrile rubber. Thickness : > 0.3 mm. Breakthrough time : > 1/2h. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection : Use suitable eye protection. (EN166): Safety glasses with side shields

Body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (EN 140). Full face mask (EN 136). Filter type: ABEK (EN 141). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137)

Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls : Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : liquid.

Colour : red.

Odour : slight.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting / freezing point : Not applicable

Freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : 170 - 172 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Not applicable,liquid

HONDA	SAFETY DATA SHEET	Page : 6 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Density	: 0,8501 g/cm ³
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: 24,85 mm ² /s (40°C) - 6,816 mm ² /s (100°C)
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions. Reference to other sections: 10.4 & 10.5.

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Safe handling: see section 7.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases. Safe handling: see section 7.

10.6. Hazardous decomposition products

Reference to other sections: 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
LD50/oral/rat	≈ 5000 mg/kg
LD50/dermal/rabbit	> 5000 mg/kg
LC50/inhalation/4h/rat	3900 mg/m ³ (Exposure time: 4 h)
LC50/inhalation/4h/rat (ppm)	> 5 mg/l
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rat	> 2000 mg/kg
2,6-di-tert-butyl-p-cresol (128-37-0)	
LD50/oral/rat	> 2930 mg/kg
LD50/dermal/rat	> 2000 mg/kg

HONDA	SAFETY DATA SHEET	Page : 7 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

2,6-di-tert-butyl-p-cresol (128-37-0)	
LC50/inhalation/4h/rat	> 2000 mg/kg OECD Test Guideline 402
N-Phenyl-1-Naphthylamine (90-30-2)	
LD50/oral/rat	1625 mg/kg
LD50/dermal/rabbit	> 8000 mg/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: No data available
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: No data available
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met) Base oil - unspecified (DMSO < 3%)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

Honda ATF DW1	
Kinematic viscosity	24,85 mm ² /s (40°C) - 6,816 mm ² /s (100°C)
Other information	: Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Harmful to aquatic life with long lasting effects.

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
LC50 fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (algae)	> 100 mg/l Pseudokirchneriella subcapitata (green algae)
NOEC chronic fish	> 1000 mg/l Oncorhynchus mykiss (Rainbow trout)
NOEC chronic crustacea	10 mg/l Daphnia magna (Big water flea)

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)	
LC50 fish 1	> 100 mg/l Brachydanio rerio (Danio rerio)

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)	
LC50 fish 1	> 1000 mg/l Fathead Minnow
ErC50 (algae)	94 mg/l Selenastrum capricornutum,

2,6-di-tert-butyl-p-cresol (128-37-0)	
LC50 fish 1	> 0,5 mg/l Danio rerio (zebra fish)
EC50 Daphnia 1	0,48 mg/l Daphnia magna (Big water flea)

N-Phenyl-1-Naphthylamine (90-30-2)	
LC50 fish 1	0,44 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])

12.2. Persistence and degradability

Honda ATF DW1	
Persistence and degradability	No data available.

HONDA	SAFETY DATA SHEET	Page : 8 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
Persistence and degradability	Substance is complex UVCB. Inherently biodegradable. Not readily biodegradable.

12.3. Bioaccumulative potential

Honda ATF DW1	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No data available.

Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	
Bioaccumulative potential	Substance is complex UVCB.

2,6-di-tert-butyl-p-cresol (128-37-0)	
BCF fish 1	230 - 2500
Partition coefficient n-octanol/water	4,17

12.4. Mobility in soil

Honda ATF DW1	
Mobility in soil	No data available

Isooctadecanoic acid, reaction products with tetraethylenepentamine (68784-17-8)	
Log Koc	45,8

12.5. Results of PBT and vPvB assessment

Honda ATF DW1	
Results of PBT assessment	No data available
ingredient	
Distillates, petroleum, hydrotreated light paraffinic (64742-55-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. The following Waste Codes are only suggestions: 150110 - packaging containing residues of or contaminated by dangerous substances, 130208 - other engine, gear and lubricating oils

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

HONDA	SAFETY DATA SHEET	Page : 9 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

ADR	IMDG	IATA	ADN	RID
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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

Code: IBC : No data available.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Distillates, petroleum, hydrotreated light paraffinic ; Isooctadecanoic acid, reaction products with tetraethylenepentamine ; N-Phenyl-1-Naphthylamine
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Honda ATF DW1 ; N-Phenyl-1-Naphthylamine
72. The substances listed in column 1 of the Table in Appendix 12	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France Installations classées: Not applicable.

HONDA	SAFETY DATA SHEET	Page : 10 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

German storage class (LGK) : LGK 10 - Combustible liquids

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Waterbezwaarlijkheid : 8 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Saneringsinspanningen : A - In principe niet lozen; zo ja, dan toepassen van beste bestaande technieken

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

Not required

For the following substances of this mixture a chemical safety assessment has been carried out

Isooctadecanoic acid, reaction products with tetraethylenepentamine

SECTION 16: Other information

Indication of changes:

3.2	Composition	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
7.2	Incompatible materials	Added	
8.2	Exposure controls	Modified	
13.1	European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC)	Modified	
15.1	REACH Annex XVII	Modified	
15.1	German storage class (LGK)	Added	
16	Training advice	Modified	

Abbreviations and acronyms:

ABM = Algemene beoordelingsmethodiek

HONDA	SAFETY DATA SHEET	Page : 11 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet : Supplier sds. ECHA (European Chemicals Agency). LOLI.

Training advice : Manipulations are to be done only by qualified and authorised persons. Training staff on good practice.

Other information : Assessment/classification CLP. Article 9. Calculation method. Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - chronic hazard category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - chronic hazard category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, hazard category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed.

HONDA	SAFETY DATA SHEET	Page : 12 / 12
	Honda ATF DW1	Revision nr : 3.0
		Issue date : 11/03/2020
		Supersedes : 04/10/2016
		HONDA-608

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Isooctadecanoic acid, reaction products with tetraethylenepentamine, N-Phenyl-1-Naphthylamine. May produce an allergic reaction.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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