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

1.1. Product identifier

Trade name/designation : Honda ATF DW1
Product code : 0826899901/4HE
Document no. : HONDA-608

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Lubricants

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
Kristiaan.van.renterghem@honda-eu.com

National representative:
United Kingdom:
Honda Motor Europe Ltd
London Road 470, SL3 8QY Slough Berkshire, Great Britain
Tel: 0044 1753590326

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, Monday to Friday, 08.00 to 18.00 hours, 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 hazard classes and H-statements : see section 16

2.2. Label elements

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

Signal word : -

Hazard statements : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements : P273 - Avoid release to the environment.
P501 - Dispose of contents/container to an approved waste disposal plant.

Extra phrases : EUH208 - Contains N-Phenyl-1-Naphthylamine. May produce an allergic reaction.

2.3. Other hazards

Other hazards : PBT/vPvB data. This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Comments : Lubricating oils, DMSO< 3% (IP 346)

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Severly refined mineral oils	(CAS No) - (EC no) - (EC Index) -	80 - 90	Not classified
2,6-di-tert-butyl-p-cresol	(CAS No) 128-37-0 (EC no) 204-881-4 (EC Index) -	< 0,4	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
N-Phenyl-1-Naphthylamine	(CAS No) 90-30-2 (EC no) 201-983-0	< 0,2	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. See also section 8 . Never give anything by mouth to an unconscious person. Treat symptomatically. Show this safety data sheet to the doctor in attendance. In case of doubt or persistent symptoms, consult always a physician.

Inhalation : Provide fresh air. Keep at rest. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen. In case of doubt or persistent symptoms, consult always a physician.

Skin contact : Wash with plenty of soap and water. Remove contaminated, saturated clothing immediately. Wash contaminated clothing before reuse. In case of doubt or persistent symptoms, consult always a physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.

In case of ingestion : Rinse mouth. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Get immediate 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.

Skin contact	:	May be irritating. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Eye 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

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Use powder, CO2, water spray or alcohol resistant foam.
Unsuitable extinguishing media	:	Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards	:	Combustible. Thermal decomposition can lead to the escape of irritating gases and vapours. Dispose of contaminated materials in accordance with current regulations. In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Firefighting instructions	:	Special protective equipment for firefighters. In case of fire: Wear self-contained breathing apparatus. Use water spray or fog for cooling exposed containers. Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation. Evacuate personnel to a safe area.

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 personnel to a safe area. Provide adequate ventilation. Use personal protective equipment as required. Reference to other sections: 8. Avoid contact with skin and eyes. Do not breathe vapour/aerosol. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

6.1.2. For emergency responders

For emergency responders	:	Ensure procedures and training for emergency decontamination and disposal are in place. Reference to other sections: 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Stop leak if safe to do so. Dam up. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Take up mechanically, placing in appropriate containers for disposal. Special danger of slipping by leaking/spilling product. Dispose of contaminated materials in accordance with current regulations. Clean contaminated areas thoroughly.

6.4. Reference to other sections

Reference to other sections: 8, 12 & 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Reference to other sections: 8. Do not ingest. Avoid contact with skin and eyes. Do not breathe vapour/aerosol. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Do not burn, or use a cutting torch on, the empty drum. Never use pressure to empty container. After use replace the closing cap immediately. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains. Take any precaution to avoid mixing with incompatible materials. See also section 10.

Hygiene measures : Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of the product. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Keep work clothes separately. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Do not store near or with any of the incompatible materials listed in section 10.

Packaging materials : Keep/Store only in original container.

7.3. Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Honda ATF DW1	
EU	Mineral oil OEL's : oil (mist) TLV-TWA (mg/m³) : 1 (se, no); 5 (be, nl, gb, fr, de, fi, dk) oil (mist) TLV-STEL (mg/m³) : 3 (se); 10 (be, gb):

2,6-di-tert-butyl-p-cresol (128-37-0)		
Austria	MAK (mg/m³)	10 mg/m³
Belgium	Limit value (mg/m³)	2 mg/m³ (aerosol and vapor)
Bulgaria	OEL TWA (mg/m³)	10 mg/m³
Bulgaria	OEL STEL (mg/m³)	50 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	10 mg/m³
Finland	HTP-arvo (8h) (mg/m³)	10 mg/m³
Finland	HTP-arvo (15 min)	20 mg/m³
France	VME (mg/m³)	10 mg/m³
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	10 mg/m³ (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/m³)	10 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	30 mg/m³ (calculated)
Portugal	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction, aerosol and vapor)
Slovenia	OEL TWA (mg/m³)	10 mg/m³ (inhalable fraction)

2,6-di-tert-butyl-p-cresol (128-37-0)		
Spain	VLA-ED (mg/m³)	10 mg/m³
United Kingdom	WEL TWA (mg/m³)	10 mg/m³
United Kingdom	WEL STEL (mg/m³)	30 mg/m³ (calculated)
Switzerland	VME (mg/m³)	10 mg/m³ (inhalable dust)
Switzerland	VLE (mg/m³)	40 mg/m³ (inhalable dust)
Australia	TWA (mg/m³)	10 mg/m³
Canada (Quebec)	VECD (mg/m³)	10 mg/m³
USA - ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (inhalable fraction and vapor)
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	10 mg/m³

Additional information : Concentration measurement in air. Personal air monitoring

8.2. Exposure controls

Engineering control measures : Provide adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take precautionary measures against static discharges. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7.

Personal protection equipment : Not required for normal conditions of use. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection : During splash contact: Wear chemically resistant gloves (tested to EN374) . NBR (Nitrile rubber),. Fluorinated rubber . Thickness of the glove material: > 0,3mm. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. The exact break through time can be obtained from the protective glove producer and this has to be observed

Eye protection : During splash contact: Wear eye glasses with side protection according to EN 166.

Body protection : Wear suitable protective clothing. Overalls, apron and boots recommended

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Full face mask (EN 136). Half-face mask (DIN EN 140). Filter type: AP. (EN141)

Thermal hazard protection : Heat resistant gloves.

Environmental exposure controls : Do not allow to enter into surface water or drains. 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 : clear.

Colour : red.

Odour : slight.

Odour threshold : No data available

pH : No data available

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

Melting point/freezing point : No data available

Freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : 172 °C (COC)

Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable,liquid
Vapour pressure	:	No data available
Vapour density	:	No data available
Relative density	:	No data available
Density	:	0,8501 g/cm³ (@15°C)
Solubility	:	No data available. Water: Insoluble
Partition coefficient n-octanol/water	:	No data available
Kinematic viscosity	:	6,816 (@ 100°C) 24,85 mm²/s (@40°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

Other properties : Pour point -50,0°C.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reference to other sections: 10.5.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur. See also section 7.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7 : Handling and storage.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases. See also section 7 : Handling and storage.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours. 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)

Severly refined mineral oils (-)	
LD50/oral/rat	> 2000 mg/kg
LD50/dermal/rat	> 2000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	> 5 mg/l/4h

2,6-di-tert-butyl-p-cresol (128-37-0)	
LD50/oral/rat	890 mg/kg

2,6-di-tert-butyl-p-cresol (128-37-0)	
LD50/dermal/rat	> 2000 mg/kg
LC50/inhalation/4h/rat	546 mg/m³

N-Phenyl-1-Naphthylamine (90-30-2)	
LD50/oral/rat	1625 mg/kg

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: No data available

Serious eye damage/eye 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)

Other information : Symptoms related to the physical, chemical and toxicological characteristics.
Reference to other sections: 4.2.

SECTION 12: Ecological information

12.1. Toxicity

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

Severly refined mineral oils (-)	
LC50 fish 1	5000 mg/l Oncorhynchus mykiss (Rainbow trout)
LC50 other aquatic organisms 1	10000 mg/l Lepomis macrochirus (Bluegill)
EC50 Daphnia 1	1000 mg/l Daphnia magna (Big water flea)
EC50 other aquatic organisms 1	> 100 mg/l (WAF)
LOEC (acute)	>= 100 mg/l (WAF)

12.2. Persistence and degradability

Honda ATF DW1	
Persistence and degradability	No information available.

12.3. Bioaccumulative potential

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

Severly refined mineral oils (-)	
Partition coefficient n-octanol/water	> 6

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 information available

Honda ATF DW1	
Surface tension	No data available
Ecology - soil	No information available.

12.5. Results of PBT and vPvB assessment

Honda ATF DW1	
Results of PBT assessment	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

Additional information : No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Handle with care. Safe handling: see section 7 : Handling and storage . Dispose of contaminated materials in accordance with current regulations. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility. Liquid product may not be disposed of with household waste or landfilled. Do not allow to enter into drains/waters or in the soil.

Additional information : Delivery to an approved waste disposal company. This material and its container must be disposed of as hazardous.

List of proposed waste codes/waste designations in accordance with EWC (2001/573/EC, 75/442/EEC, 91/689/EEC) : Classified as hazardous waste according to European Union regulations
The following Waste Codes are only suggestions:
130205 - mineral-based non-chlorinated engine, gear and lubricating oils
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
NA	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
NA	Not applicable	Not applicable	Not applicable	Not applicable
Transport document description				
UN NA NA				
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				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
Not applicable				

14.6. Special precautions for user

Special precautions for user : Not applicable

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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

Code: IBC : Not applicable.

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. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Honda ATF DW1 - N-Phenyl-1-Naphthylamine
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	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

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France
Installations classées :
Not applicable

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

Risk classification according to VbF : Not applicable

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

TA Luft : Organic Substances

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

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Indication of changes:
Safety datasheet sections which have been updated : 1-2-3-4-9-10-11-12-14-15-16.

Abbreviations and acronyms:

	DNEL = Derived No Effect Level
	DMEL = Derived Minimal Effect level
	PNEC = Predicted No Effect Concentration
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	TWA = time weighted average
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal 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
	NOEL = no-observed-effect level
	NOEC = No observed effect concentration
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	EWC = European waste catalogue
	NA = Not applicable
	N.O.S. = Not Otherwise Specified
	VOC = Volatile organic compounds
	Quantitative structure-activity relationship (QSAR)

	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
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
	ABM = Algemene beoordelingsmethodiek
	STOT = Specific Target Organ Toxicity

Sources of key data used to compile the datasheet : Name (SDS) : HONDA ATF DW-1. Manufacturer/Supplier : IDEMITSU. Date of issue : 24-Sep-2013. Revision date : 15-Apr-2015.

Training advice : Training staff on good practice.

Other information : Assessment/classification CLP. Article 9. Calculation method.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity 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
Skin Sens. 1	Skin sensitisation, hazard category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
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 . May produce an allergic reaction

The contents and format of this SDS are in accordance with EEC Commission Directive 2015/830/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.