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		Issue date : 16/07/2020
		Supersedes : 23/06/2016
		HONDA-32

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

1.1. Product identifier

Product form : Mixture
Trade name/designation : Honda DPS-F
Product code : 0829399902HE, 0829399920HE
Document no. : HONDA-32

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 : 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
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	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
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]

Not classified

2.2. Label elements

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

Not applicable.

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2.3. Other hazards

Other hazards : PBT/vPvB data : This information is not available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Base oil, DMSO < 3%	(CAS-No.) - (EC-No.) - (EC Index) -	70 – 80	Not classified
Additive	(CAS-No.) additive (EC-No.) - (EC Index) -	< 30	Not classified

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. Show this safety data sheet to the doctor in attendance. Treat symptomatically. In case of doubt or persistent symptoms, consult always a physician.

Inhalation : Remove person to fresh air and keep comfortable for breathing. Put victim at rest, cover with a blanket and keep warm. In case of doubt or persistent symptoms, consult always a physician.

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

Eyes 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.

Ingestion : Rinse mouth immediately and drink plenty of water. Call a physician immediately. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Inhalation : May be irritating.

Skin contact : No adverse effects are expected. May be irritating.

Eyes contact : No adverse effects are expected. May be irritating.

Ingestion : No adverse effects are expected. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

No data available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
 Unsuitable extinguishing media : Strong water jet .

5.2. Special hazards arising from the substance or mixture

Specific hazards : Not flammable. Heating will cause a rise in pressure with a risk of bursting.
 Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). irritating fumes.

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 : Stay upwind/keep distance from source. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin and eyes. Remove all sources of ignition. Spill area may be slippery.

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. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Collect in closed and suitable containers for disposal. Dispose of contaminated materials in accordance with current regulations. Clean contaminated areas thoroughly. In case of large spillages: Advise local authorities if considered necessary.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only in well ventilated areas. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin and eyes. Do not breathe vapour/aerosol. Avoid breathing Mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. 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, Refer to Section 10 on Incompatible Materials.

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Hygiene measures : Keep good industrial hygiene. When using do not eat, drink or smoke. Wash hands immediately after handling the product. Separate working clothes from town clothes. Remove contaminated clothing and shoes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Protect against water. Protect from sunlight. Store in a fireproof area.

Packaging materials : Keep in properly labelled containers. Keep container tight closed. Containers which are opened should be properly resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Honda DPS-F	
EU	Mineral oil OEL's : oil (mist) TLV-TWA (mg/m ³) : 1 (SE, DK, NO); 5 (BE, GB, FR, DE, NL, ES, FI) oil (mist) TLV-STEL (mg/m ³) : 3 (SE); 10 (BE, GB):

Additional information : Concentration measurement in air. Personal air monitoring

8.2. Exposure controls

Engineering measure(s) : 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 : Reference to other sections 7.

Personal protective equipment : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection : In case of skin contact : Wear chemically resistant gloves (tested to EN374) . NBR (Nitrile rubber) . Breakthrough time : : >8h/. 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.

Eye protection : During splash contact: Safety glasses with side-shields (EN166)

Body protection : Not required for normal conditions of use. Wear suitable protective clothing

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

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

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 : Liquid.

Colour : red.

Odour : slight.

Odour threshold : No data available

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pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: 180 °C (COC)
Auto-ignition temperature	: ≈ 200 – 410 °C (estimated value)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Density	: 0,851 g/cm ³ (15°C)
Solubility	: No data available. Water: Insoluble
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: > 20,5 mm ² /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	: LEL 1 % - UEL 7 %
9.2. Other information	
Other properties	: Pour point : -47,5°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

Heat. No flames, no sparks. Eliminate all sources of ignition. See also section 7 .

10.5. Incompatible materials

Incompatible with strong acids and oxidizing agents. Halogens. alkalis. See also 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)

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Base oil, DMSO < 3% (-)	
LD50/oral/rat	≥ 5000 mg/kg
LD50/dermal/rat	≥ 5000 mg/kg
LC50/inhalation/4h/rat	> 5 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)

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 DPS-F	
Kinematic viscosity	> 20,5 mm ² /s (40°C)

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 : Ecological injuries are not known or expected under normal use.

Base oil, DMSO < 3% (-)	
LC50 fish 1	> 5000 mg/l (96h)(Oncorhynchus mykiss)
EC50 Daphnia 1	> 1000 mg/l (48h)(Daphnia magna)

12.2. Persistence and degradability

Honda DPS-F	
Persistence and degradability	Not readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

Honda DPS-F	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No information available.

12.4. Mobility in soil

Honda DPS-F	
Mobility in soil	No information available
Ecology - soil	This information is not available.

12.5. Results of PBT and vPvB assessment

Honda DPS-F	
Results of PBT assessment	This information is not available.

12.6. Other adverse effects

Additional information : No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Handle with care. See Section 7 for information on safe handling : 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.

European waste catalogue (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				
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
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	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

Not applicable

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

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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

Contains no REACH substances with Annex XVII restrictions
 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

Regulatory reference : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
 Risk classification according to VbF : Not applicable
 Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Waterbezwaarlijkheid : B (4) - Weinig schadelijk voor in het water levende organismen
 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

Not applicable

SECTION 16: Other information

Indication of changes:

1.1	Product code	Modified	
1.2	Main use category	Added	
1.3	Details of the supplier of the safety data sheet	Modified	
5.2	Hazardous decomposition products in case of fire	Added	
5.3	Advice for firefighters	Modified	

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9.1	Kinematic viscosity	Added	
10.6	Hazardous decomposition products	Modified	
15.1	National regulations	Modified	
16	Sources of key data used to compile the datasheet	Modified	

Abbreviations and acronyms:

	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
	TLV = Threshold limits
	TWA = time weighted average
	STEL = Short term exposure limit
	EC50 = Median Effective Concentration
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	persistent, bioaccumulating and toxic (PBT).
	vPvB = very persistent and very bioaccumulating
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
	NA = Not applicable

Sources of key data used to compile the datasheet : ECHA (European Chemicals Agency), LOLI. Name (SDS) : HONDA DPS-F. Manufacturer/Supplier : JXTG Nippon Oil & Energy Corporation. Issue date : 26-06-2013. Revision date : 18-12-2019.

Training advice : Training staff on good practice.

Other information : Classification - Assessment method: CLP Calculation method (Article 9).

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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