



SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: ENSIS DW 1255.
Product code: UK69204.

Company/undertaking identification:

Registered company name: Houghton PLC.
Address: Beacon Road, Trafford Prk, ..Manchester, M17 1AF..
Telephone: + 44 161 874 5000. Fax: + 44 161 874 5001.
datasheets@uk.houghtonglobal.com

Emergency telephone: '+44 161 874 2077.

Association/Organisation: .

Use of the substance/preparation:

Corrosion protection fluid

2 - HAZARDS IDENTIFICATION

This product is classified: Flammable.
This preparation presents an aspiration hazard because of their low viscosity.
Repeated exposure may cause skin dryness or cracking.

Preparation classification:



Harmful

Flammable

R 10 Flammable.
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

INDEX	CAS	EC	Name	Symb.	R:	%
0013	64742-48-9	265-150-3	LOW BOILING POINT HYDROGEN TREATED NAPHTHA	Xn	10 65 66	50 <= x % < 100
0017	40027-38-1	254-754-2	OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE	Xn N	41 38 50 22	0 <= x % < 1
603-096-00-8	112-34-5	203-961-6	2-(2-BUTOXYETHOXY)ETHANOL	Xi	36	1 <= x % < 2.5
J0093	57855-77-3	260-991-2	ALKYLARYL CALCIUM SULPHONATE	Xi	36/38	2.5 <= x % < 10

Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
J0099	8002-74-2	232-315-6	PARAFFIN WAXES AND HYDROCARBON WAXES			1 <= x % < 2.5

Other components:

This product contains complex oil-derived substances. According to directive 94/69/EC (21st ATP to directive 67/548/EC) classification and labelling as carcinogen is not required (Note L or note P applies).

INDEX	CAS	EC	Name	Symb.	R:	%
649-465-00-7	64742-52-5	265-155-0	BASEOIL - UNSPECIFIED			10 <= x % < 25

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

In case of big quantities inhaled, move affected person to fresh air, keep warm and allow to rest.

In the event of splashes or contact with eyes:

Immediately rinse with plenty of water for at least 15 minutes, with eyelids open, then seek medical (ophthalmological) advice.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water.

Do not use solvents or thinners.

In the event of swallowing:

If aspiration in the lungs is suspected (during vomiting for example), take the patient to the hospital.

Do not induce vomiting.

Don't make swallow anything if the patient is unconscious or has convulsions.

Information for the doctor:

Treat symptomatically

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

In the event of fire, use specifically suitable extinguishing agents. Never use water.

Extinguishing media which must not be used for safety reasons:

Sometimes, and due to the presence of organic material, a fire may produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Water jet or under pressure.

Special protective equipment for fire-fighters:

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Combustion produces a complex mixture of gases and airborne particulates, including:

COx

unidentified organic and inorganic compounds

SOx

H2S

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

Control the leaks or spills with non-combustible adsorbent materials as sand, earth, vermiculite, diatom earth. Collect the recovered materials in drums for waste disposal.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Never suck up this product.

Do not pierce or burn even after use.

Handle in well-ventilated areas.

Fire prevention:

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Design facilities to avoid the accidental splashes of product (e.g. rupturing of gasket) on hot casing or on electric connections to reduce the risk.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Avoid inhaling vapors.

When not in use, keep the containers tightly closed and in vertical position.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

Storage time: 2 years

Store between 5 °C and 25 °C in a dry, well ventilated place.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Exposure limit values per INRS ED 984:

Aliphatic dearomatised solvents (boiling range 150 - 200 °C) 1200 mg/m ³ [TWA (8h)]					
France	VME-ppm:	VME-mg/m ³ :	VLE-ppm:	VLE-mg/m ³ :	Notes:
8002-74-2	-	2	-	-	-
112-34-5	10	67.5	15	101.2	-

TMP N°:
36

Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-mg/m ³ :	VME-ppm:	VLE-mg/m ³ :	VLE-ppm:	Notes:
112-34-5	67.5	10	101.2	15	-

Exposure limit values (2003-2006):

UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
8002-74-2	2 mg/m ³	6 mg/m ³	-	-	-

Ireland	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	2 mg/m3	6 mg/m3	-	-	-	
Norsk	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	2 mg/m3	-	-	-	-	
Belgique	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	2 mg/m3	-	-	-	-	
Suomi/Finlande	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	1 mg/m3	-	-	-	-	
Switzerland	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
8002-74-2	2a	-	-	-	-	-
112-34-5	67*	10*	101,2*	15*	4x15*	-
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:		
112-34-5	-	100 mg/m3	1(I)	DFG, Y		
Denmark(3.4/3.4.1)	TWA:	STEL:	Anm:	TWA:	STEL:	Anm:
8002-74-2		2 mg/m3				
112-34-5		100 mg/m3				
Slovakia	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
112-34-5		100 mg/m3	I.			
Czech Rep.	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
112-34-5	100 mg/m3	200 mg/m3	-	-	-	
Sverige	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
112-34-5	15 ppm	30 ppm	-	-	-	
España	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	2 mg/m3	-	-	-	-	
112-34-5	100 mg/m3	-	-	-	-	
Nederland	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
112-34-5	9 ppm	-	-	-	-	
Polska	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	2 mg/m3	-	-	-	-	
64742-48-9	300 mg/m3	900 mg/m3	-	-	-	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	2 mg/m3	-	-	-	-	
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:	
8002-74-2	2 mg/m3	6 mg/m3	-	-	-	

Respiratory protection:

If this ventilation is not sufficient to maintain the concentration of solvent vapours below the exposure limits, wear breathing apparatus (type FFA1P1 according to standard CE EN 405).

Filtres anti-gaz (combinés et ventilation assistée) :- A1,A2 ou A3 (marron)

Hand protection:

Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0,9-1 mm; CE-certified acc. EN 374 cat III)

Use appropriate protection cream, especially if for safety reasons protective gloves are not advisable.

Eye and face protection:

Use glasses or face shield if there is a risk of splashing.

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

Remove contaminated clothing. Wash affected skin with soap and water.

Face shield, hydrocarbon-tight boots and clothes, safety shoes if necessary.

Minimise or avoid skin contacts.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: not specified.

Flash point interval: 23 °C <= Flash point <= 55 °C

Flash point: 46.00 °C.

Explosive properties, lower explosivity limit (%): 0.6

Explosive properties, upper explosivity limit (%): 6

Vapour pressure: not relevant.

Density: < 1

Density: 799 kg/m³@20°C(ISO12185-4)

Water solubility: Insoluble.

Viscosity: 2.2 mm²/s@20°C(Houillon)

Other information:

melting point/melting range: not specified.

Self-ignition temperature: not specified.

Decomposition point/decomposition range : not specified.

% VOC: 77.5; CH: 78,7

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

Conditions to avoid:

Heat (temperature higher than flash point), sparks, flames, static electricity and other ignition sources.

Materials to avoid:

Natural latex, polyvinyl, polystyren

Strong oxidising agents.

Hazardous decomposition products:

No dangerous decomposition products occur under normal storage and use conditions.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

The toxicological information are based on data for the component(s) and/or are deduced from the results of the evaluation according to the criteria of the substances/preparations directive.

In the event of exposure by inhalation:

Vapours and aerosols may cause slight, temporary irritation to respiratory system and mucous membranes.

In the event of swallowing:

This product contains a considerable amount of components, which by swallowing with subsequent vomiting, may get into the lungs. This may cause damage to the lungs.

In the event of splashes or contact with skin:

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

In the event of splashes or contact with eyes:

Slight irritation is possible.

Other data:

The product is not expected to be carcinogenic, mutagenic, teratogenic, or toxic for reproduction.

Contact with skin may cause skin irritation and dermatosis, if corrected procedures for personal hygiene might not be taken under consideration.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

Mobility:

In nature the product is liquid in most of conditions.

The product will be partly adsorbed by soil particles.

Air: evaporable.

WATER : it floats on the surface.

Persistence and degradability:

Readily biodegradable

Bioaccumulative potential:

Potentially bioaccumulable.

Ecotoxicity:

Toxic effects on aquatic organisms are not expected: LC50/EC50/IC50 >100 mg/l.

In accordance with Directive 2006/8/EC:

CAS	EC		
40027-38-1	254-754-2	OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE	
		EC50 (for daphnia) 48h (mg/l)	0.01 < EC50 <= 0.1

Other adverse effects:

Informations on adsorbable halogenic compounds (AOX):

The product does not contain substances which may increase the AOX value.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

13 08 99 * wastes not otherwise specified

11 01 99 wastes not otherwise specified

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

Classification:



UN1993=FLAMMABLE LIQUID, N.O.S.

(low boiling point hydrogen treated naphtha)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	LQ7	274 601 640E	E1	3	D/E

IMDG	Class	2° Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E,S-E	223 274 955	E1

IATA	Class	2° Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	309	60 L	310	220 L	A3	-
	3	-	III	Y309	10 L	-	-	A3	-

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2008/58/EC with the 30° adaptation of directive 67/548/EEC (Hazardous substances) has been taken into account.

In addition directive 2009/2/EC with the 31° adaptation of directive 67/548/EEC (Hazardous substances) has been taken into account.

In addition Regulation (EC) No 1272/2008 has been taken into account.

Preparation classification:



Harmful

Flammable

Contains:

265-150-3

LOW BOILING POINT HYDROGEN TREATED NAPHTHA

Particular hazards associated with the preparation and safety recommendations:

R 10	Flammable.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.
S 62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
S 43	In case of fire, use foam, carbon dioxide - Never use water

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

All chapters have been up-dated

Taric code: 2710 1929

Full text of risk phrases appearing in section 3:

R 10	Flammable.
R 22	Harmful if swallowed.

R 36	Irritating to eyes.
R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 50	Very toxic to aquatic organisms.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.