

Material Safety Data Sheet

(REGULATION (EU) No 453/2010)

W51668 - Injector Cleaner for Diesel Engines

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

W51668 - Injector Cleaner for Diesel Engines

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Diesel fuel additive

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

COMPANY Wynn's Belgium B.V.B.A.
ADDRESS Industriepark-West 46
9100 SINT-NIKLAAS
TEL. +32 (0)3 766.60.20
FAX +32 (0)3 778 16 56
WEBSITE www.wynns.eu
E-MAIL msds@wynns.eu

1.4 EMERGENCY TELEPHONE NUMBER

EMERGENCY TELEPHONE NUMBER BIG: +32(0)14/58.45.45

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Xn - harmful

N - dangerous for the environment

R10

R38

R51/53

R65

2.2 LABEL ELEMENTS

Classification and labelling according to the directives 67/548/EEC, 1999/45/EC, 98/8/EC and Regulation (EC) 648/2004, where applicable.

SYMBOL



Xn -
harmful



N -
dangerous
for the
environment

R-PHRASES

R10 - Flammable

R38 - Irritating to skin

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R65 - Harmful: may cause lung damage if swallowed

S-PHRASES

S(02) - (Keep out of reach of children)

S(29) - (Do not empty into drains)

S37 - Wear suitable gloves

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

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S(62) - (If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label)

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 MIXTURES

INFORMATION ON INGREDIENTS (67/548/EC)

NAME	CAS NO	EI NECS/ELINCS	MIN/MAX	SYMBOL	R-PHRASES
2-ethylhexyl nitrate	27247-96-7	248-363-6	5 <= C < 10 %	Xn	R20/21, R44
Kerosine (petroleum); Straight run kerosine	8008-20-6	232-366-4	> 75 %	Xn, N	R10, R38, R51/53, R65
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	265-198-5	2,5 <= C < 5 %	Xn, N	R51/53, R65, R66, R67
naphthalene	91-20-3	202-049-5	0,25 <= C < 0,5 %	Xn, N	R22, R40, R50/53

INFORMATION ON INGREDIENTS (1272/2008/EC)

NAME	CAS NO	CLP
2-ethylhexyl nitrate	27247-96-7	Acute Tox. 4, H312; Acute Tox. 4, H332
Kerosine (petroleum); Straight run kerosine	8008-20-6	Asp. Tox. 1, H304
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	Asp. Tox. 1, H304
naphthalene	91-20-3	Carc. 2, H351; Acute Tox. 4 *, H302 ;Aquatic Acute 1, H400; Aquatic Chronic 1, H410

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

In general

Check the vital functions
Unconscious: maintain adequate airway and respiration
Respiratory arrest: artificial respiration or oxygen
Cardiac arrest: perform resuscitation
Victim conscious with laboured breathing: half-seated
Victim in shock: on his back with legs slightly raised
Vomiting: prevent asphyxia/aspiration pneumonia
Prevent cooling by covering the victim (no warming up)
Keep watching the victim
Give psychological aid
Keep the victim calm, avoid physical strain
Depending on the victim's condition: doctor/hospital

Inhalation

Remove the victim into fresh air
Respiratory problems: consult a doctor/medical service

Skin

wash immediately with plenty of water and soap
Take victim to a doctor if irritation persists

Eyes

Rinse immediately with plenty of water
Take victim to an ophthalmologist if irritation persists

Ingestion

Rinse mouth with water
Do not induce vomiting
Consult a doctor/medical service if you feel unwell
Ingestion of large quantities: immediately to hospital

5. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

FIRE EXTINGUISHING MEDIA
Water spray
AFFF foam
BC powder

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Carbon dioxide

Solid water jet ineffective as extinguishing medium

FIREFIGHTING INSTRUCTIONS:

Cool tanks/drums with water spray/remove them into safety

Take account of environmentally hazardous firefighting water

Use water moderately and if possible collect or contain it

Do not move the load if exposed to heat

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire hazard

DIRECT FIRE HAZARD

Flammable

Gas/vapour flammable with air within explosion limits

INDIRECT FIRE HAZARD

May build up electrostatic charges: risk of ignition

May be ignited by sparks

Explosion hazard

DIRECT EXPLOSION HAZARD

Gas/vapour explosive with air within explosion limits

INDIRECT EXPLOSION HAZARD

May be ignited by sparks

Risk of explosion if heated under confinement

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Gloves

Face-shield

Protective goggles

Protective clothing

Large spills/in enclosed spaces: compressed air apparatus

Heat/fire exposure: compressed air/oxygen apparatus

Mark the danger area - Stop engines and no smoking - No naked flames or sparks - Spark- and explosionproof appliances and lighting equipment - Prevent soil and water pollution - Prevent spreading in sewers - Keep upwind - Seal off low-lying areas - Wash contaminated clothes

6.2 ENVIRONMENTAL PRECAUTIONS

Contain released substance, pump over in suitable containers

Plug the leak, cut off the supply

Dam up the liquid spill

Provide equipment/receptacles with earthing

Do not use compressed air for pumping over spills

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Do not use compressed air for pumping over spills

Take up liquid spill into inert absorbent material, e.g.: sand

Scoop absorbed substance into closing containers

Carefully collect the spill/leftovers

Clean contaminated surfaces with an excess of water and soap solution

Wash clothing and equipment after handling

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Comply with the legal requirements

Carry operations in the open/under local

exhaust/ventilation or with respiratory protection

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Observe normal hygiene standards
Remove contaminated clothing immediately
Clean contaminated clothing
Keep container tightly closed
Use spark-/explosionproof appliances and lighting system
Keep away from naked flames/heat
Keep away from ignition sources/sparks
Take precautions against electrostatic charges
Do not discharge the waste into the drain
Do not use compressed air for pumping over

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage area Keep out of direct sunlight - Fireproof storeroom - Provide for a tub to collect spills - Meet the legal requirements - Keep container in a well-ventilated place - Ventilation at floor level - Store in a cool area - Store in a dry area

Storage temperature < 45°C

Containers : requirements closing
correctly labelled
meet the legal requirements
Secure fragile packagings in solid containers

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

LIMIT VALUE	PRODUCT NAME	LIMIT VALUE (MG/M ³)	LIMIT VALUE (PPM)	SHORT TIME VALUE (MG/M ³)	SHORT TIME VALUE (PPM)
	Naftaleen	53 mg/m ³	10 ppm	80 mg/m ³	15 ppm
PRODUCT NAME	VME (PPM)	VME (MG/M ³)	VLE (PPM)	VLE (MG/M ³)	
naphthalene	10 ppm	50 mg/m ³	-	-	
PRODUCT NAME	MAC (MG/M ³)	MAC (PPM)	MAC SHORT TIME (MG/M ³)	MAC SHORT TIME (PPM)	
naphthalene	50 mg/m ³		80 mg/m ³		
PRODUCT NAME	MAK (MG/M ³)	MAK (PPM)	MAK SKIN RESORPTION	MAK CARCINOGENICITY	
naphthalene	-	-	H	2	
PRODUCT NAME	TRK (MG/M ³)	TRK (PPM)	TRK SKIN RESORPTION	TRK CARCINOGENICITY	
naphthalene	50 mg/m ³	10 ppm			
TLV					
PRODUCT NAME	TLV-TWA (MG/M ³)	TLV-TWA (PPM)	TLV-STEL (MG/M ³)	TLV-STEL (PPM)	
Naphthalene		10 ppm		15 ppm	

8.2 EXPOSURE CONTROLS

Personal protection

Gloves

safety glasses or face shield

Protective clothing

High gas/vapour concentration: gas mask

Materials for protective clothing

GIVE GOOD RESISTANCE:

neoprene

nitrile rubber

GIVE POOR RESISTANCE:

natural rubber

PVC

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

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State of aggregation	Liquid
Odour	kerosine
Colour	Yellow
Specific gravity	817.4 kg/m ³ @ 15°C
Refractive Index @ 20°C	1.4489

9.2 OTHER INFORMATION

Other properties	Clear, The physical and chemical data in this section are typical values for this product and are not intended as product specifications.
Flashpoint	44°C

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

REACTIVITY HAZARD	Upon combustion CO and CO ₂ are formed On heating: decomposes exothermically: pressure rise and possible bursting of container Reacts with (strong) oxidizers (strong) acids
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10.2 CHEMICAL STABILITY

Stable under normal conditions

10.4 CONDITIONS TO AVOID

KEEP SUBSTANCE AWAY FROM:

heat sources
ignition sources

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

11.1.2 MIXTURES

Values of chronic toxicity

Toxicity

ACUTE TOXICITY - Harmful: may cause lung damage if swallowed - Irritant to the skin - Moderately irritant for eyes - Slightly irritant to respiratory organs - CHRONIC TOXICITY - Not listed in carcinogenicity class (IARC,EC,TLV,MAK) - Not listed in mutagenicity class (EC,MAK) - Not classified as toxic to reproduction (EC)

Toxicity hazard

DIRECT TOXICITY HAZARD - Literature reports harmful - Irritating - INDIRECT TOXICITY HAZARD - Reactions with toxicity hazards: see Reactivity Hazard

Effects/symptoms

Symptoms/injuries after skin contact	Red skin Dry skin Tingling/irritation of the skin
Symptoms/injuries after eye contact	Redness of the eye tissue Irritation of the eye tissue
Symptoms/injuries after ingestion	Headache Abdominal pain Diarrhoea Risk of aspiration pneumonia

12. ECOLOGICAL INFORMATION

12.2 PERSISTENCE AND DEGRADABILITY

WGK 2

12.4 MOBILITY IN SOIL

According to literature: environmental hazard

Contains ground water contaminating component(s)

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Water pollutant (surface water)

Literature reports: toxic to aquatic organisms

Literature reports may cause long-term adverse effects in the aquatic environment

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal considerations

Hazardous waste (91/689/EEC)

Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste

Use appropriate containment to avoid environmental contamination

PACKAGING/CONTAINER

Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001):

15 01 10*

packaging containing residues of or contaminated by dangerous substances

DISPOSAL CODE

Package	
<i>Plastic</i>	15.01.10*
<i>Metal</i>	15.01.11*
Product	
<i>Oil additives</i>	12.01.12*
<i>Fuel additives</i>	14.06.03*
<i>Aqueous solutions</i>	20.01.29*
<i>Airco-cleaner</i>	20.01.19

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14. TRANSPORT INFORMATION

14.1 UN NUMBER

UN-nummer 1993

14.2 UN PROPER SHIPPING NAME

UN 1993 FLAMMABLE LIQUID, N.O.S. (Kerosine), 3 (N), III

14.3 TRANSPORT HAZARD CLASS(ES)

Road (ADR)

ADR class 3 ADR Classification Code
Danger code 30 ADR symbol

F1



3 black -
Flammable
liquids



N -
Environmentally
hazardous
substance

State during transport (ADR-RID)

Tunnel restrictions code
(8.6): (D/E)

Sea (IMDG)

IMDG Class 3
Marine pollutant P

EMS number F-E, S-E

Air (IATA/ICAO)

ICAO Class 3
ICAO Instruction passenger
309/Y309

ICAO Instruction cargo
310

14.4 PACKING GROUP

ADR PACKAGE GROUP 2 III
IMDG PACKAGE GROUP III
ICAO PACKAGE GROUP III

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Classification and labelling according to the directives 67/548/EEC, 1999/45/EC, 98/8/EC and Regulation (EC) 648/2004.

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16. OTHER INFORMATION

R-phrases	R10 - Flammable R20/21 - Harmful by inhalation and in contact with skin R22 - Harmful if swallowed R38 - Irritating to skin R40 - Limited evidence of a carcinogenic effect R44 - Risk of explosion if heated under confinement R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 - Harmful: may cause lung damage if swallowed R66 - Repeated exposure may cause skin dryness or cracking R67 - Vapours may cause drowsiness and dizziness
Hazard Statements	H302 - Harmful if swallowed. H304 - May be fatal if swallowed and enters airways. H312 - Harmful in contact with skin. H332 - Harmful if inhaled. H351 - Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. H400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life with long lasting effects.
Revision	§3

Sources of key data used: Raw material suppliers' data sheets were used as key data sources in the preparation of this safety data sheet.

This safety data sheet has been made in accordance with the directives 91/155/EEG, 93/112/EEG, 2001/58/EG and Reach regulation 1907/2006.

It completes the technical directions for use, but does not replace it.

The data mentioned on these documents are to our knowledge correct on the date of publication and are provided on the assumption that the product will be used as indicated by the manufacturer/supplier. The indication of these safety data, without being considered as complete, helps the user to fulfil his obligations with regard to dangerous substances. The user is obliged to evaluate the product and use it in a safe way in compliance with the effective laws and stipulations. The user has to make sure that all regulations as to human and environmental protection during handling, storage and use of the products are observed.
