

# Material Safety Data Sheet

(In accordance with 2001.58.EC - L212/14)

## W56896 - Diesel Cetane +Plus+

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

#### IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

W56896 - Diesel Cetane +Plus+

#### USE OF THE SUBSTANCE/PREPARATION

Diesel fuel additive

#### COMPANY IDENTIFICATION

COMPANY Wynn's Belgium B.V.B.A.  
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### 2. HAZARDS IDENTIFICATION

Xn -  
harmfulN -  
dangerous  
for the  
environment

#### HAZARDS FOR HUMANS AND THE ENVIRONMENT

Flammable - Irritating to skin - Risk of explosion if heated under confinement - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment - Harmful: may cause lung damage if swallowed

#### OTHER DANGERS

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### INFORMATION ON INGREDIENTS

NAME	CAS NO	EINCS/ELINCS	MIN/MAX	SYMBOL	R-PHRASES
2-ethylhexyl nitrate	27247-96-7	248-363-6	10 < C < 25 %	Xn,N	R20, R44, R51/53, R65
Kerosine (petroleum): Straight run kerosine	8008-20-6	232-366-4	50 < C < 75 %	Xn,N	R10, R38, R51/53, R65
Solvent naphtha (petroleum), heavy arom.: Kerosine - unspecified	64742-94-5	265-198-5	5 < C < 10 %	Xn,N	R51/53, R65, R66, R67
naphthalene	91-20-3	202-049-5	0.5 < C < 1 %	Xn,N	R22, R40, R50/53

### 4. 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

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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. FIRE-FIGHTING MEASURES

### EXTINGUISH. AGENTS-FIRE FIGHTING INSTR.

#### FIRE EXTINGUISHING MEDIA

Water spray  
AFFF foam  
BC powder  
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

### 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

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PROTECTION

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Gloves  
Face-shield  
Protective goggles  
Protective clothing  
Large spills/in enclosed spaces: compressed air apparatus  
Heat/fire exposure: compressed air/oxygen apparatus

## GENERAL MEASURES

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

## LEAK

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

## DISPOSAL

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

### HANDLING THE PRODUCT

Comply with the legal requirements  
Carry operations in the open/under local exhaust/ventilation or with respiratory protection  
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

### STORAGE

#### 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

#### CONTAINERS : REQUIREMENTS

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

### SPECIFIC APPLICATIONS

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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## VME/VLE

PRODUCT NAME	VME (PPM)	VME (MG/M <sup>3</sup> )	VLE (PPM)	VLE (MG/M <sup>3</sup> )
Naphtal?ne	10 ppm	50 mg/m <sup>3</sup>	-	-

## MAC

PRODUCT NAME	MAC (MG/M <sup>3</sup> )	MAC (PPM)	MAC SHORT TIME (MG/M <sup>3</sup> )	MAC SHORT TIME (PPM)
Naftaleen	50 mg/m <sup>3</sup>		80 mg/m <sup>3</sup>	

## MAK

PRODUCT NAME	MAK (MG/M <sup>3</sup> )	MAK (PPM)	MAK SKIN RESORPTION	MAK CARCI NOGENICITY
Naphtalin	-	-	H	2

## OEL/TRK

PRODUCT NAME	TRK (MG/M <sup>3</sup> )	TRK (PPM)	TRK SKIN RESORPTION	TRK CARCI NOGENICITY
Naphtalin	50 mg/m <sup>3</sup>	10 ppm		

## TLV

PRODUCT NAME	TLV-TWA (MG/M <sup>3</sup> )	TLV-TWA (PPM)	TLV-STEL (MG/M <sup>3</sup> )	TLV-STEL (PPM)
Naphtalene		10 ppm		15 ppm

## PERSONAL PROTECTION

Gloves  
safety glasses or face shield  
Protective clothing  
High gas/vapour concentration: gas mask

## ENVIRONMENTAL PROTECTION EQUIPMENT

### MATERIALS FOR PROTECTIVE CLOTHING

#### GIVE GOOD RESISTANCE:

neoprene  
nitrile rubber

#### GIVE POOR RESISTANCE:

natural rubber  
PVC

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### GENERAL INFORMATION

STATE OF AGGREGATION	Liquid
ODOUR	kerosine
COLOUR	Yellow
OTHER PROPERTIES	Clear, Insoluble in water

### VALUES OF PHYSICAL PROPERTIES

SPECIFIC GRAVITY	849.6 kg/m <sup>3</sup> @ 15°C
REFRACTIVE INDEX @ 20°C	1.4539

### HAZARDS FOR EXPLOSION AND FIRE

FLASHPOINT	48°C
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### EXPLOSION RISK

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal conditions

### CHEMICAL REACTIONS

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Upon combustion CO and CO<sub>2</sub> are formed

On heating: decomposes exothermically: pressure rise and possible bursting of container

Reacts with (strong) oxidizers  
(strong) acids

## PROHIBITIONS ON MIXED STORAGE

KEEP SUBSTANCE AWAY FROM:

heat sources  
ignition sources

## HAZARDOUS DECOMPOSITION PRODUCTS

## 11. TOXICOLOGICAL INFORMATION

### 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 PROPERTIES

### MOBILITY

#### ECOLOGY - GENERAL

According to literature: environmental hazard

#### ECOLOGY - WATER

Contains ground water contaminating component(s)  
Water pollutant (surface water)  
Literature reports: toxic to aquatic organisms  
Literature reports may cause long-term adverse effects in the aquatic environment

### PERSISTENCE AND DEGRADABILITY

WGK 2

## 13. 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

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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	
Plastic	15.01.10*
Metal	15.01.11*
Product	
Oil additives	12.01.12*
Fuel additives	14.06.03*
Aqueous solutions	20.01.29*
Airco-cleaner	20.01.19

## 14. TRANSPORT INFORMATION

UN number 1993  
UN 1993 FLAMMABLE LIQUID, N.O.S. (kerosine, 2-ethylhexyl nitrate), 3, III

### ROAD (ADR)

ADR CLASS 3 ADR CLASSIFICATION CODE F1  
ADR SYMBOL



3 black -  
Flammable liquids

ADR-PACKING GROUP III  
DANGER CODE 30

### RAIL (RID)

### SEA (IMDG)

IMDG CLASS 3 EMS NUMBER F-E, S-E  
MARINE POLLUTANT P IMDG PACKAGE GROUP III

### AIR (IATA/ICAO)

ICAO CLASS 3 ICAO PACKAGE GROUP III  
ICAO INSTRUCTION PASSENGER 309/Y309 ICAO INSTRUCTION CARGO 310

## 15. REGULATORY INFORMATION

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

### NAME OF THE COMPONENTS DETERMINING THE DANGER

NAME	CAS NO
2-ethylhexyl nitrate	27247-96-7
Kerosine (petroleum): Straight run kerosine	8008-20-6

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SYMBOL



Xn -  
harmful



N -  
dangerous  
for the  
environment

R-PHRASES

R10 - Flammable  
R38 - Irritating to skin  
R44 - Risk of explosion if heated under confinement  
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)  
S37 - Wear suitable gloves  
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.  
S(62) - (If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label)

## 16. OTHER INFORMATION

R-PHRASES

R10 - Flammable  
R20 - Harmful by inhalation  
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

REVISION

§14,15

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.