

# Material Safety Data Sheet

(REGULATION (EU) No 453/2010)

## W55963 - Injector +Plus+ Cleaner

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

#### 1.1 PRODUCT IDENTIFIER

W55963 - Injector +Plus+ Cleaner

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

F - highly flammable

Xn - harmful

N - dangerous for the environment

R11

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



F - highly flammable



Xn - harmful



N - dangerous for the environment

R-PHRASES

R11 - Highly 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)

S16 - Keep away from sources of ignition - No smoking

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

S37 - Wear suitable gloves

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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)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 MIXTURES

#### INFORMATION ON INGREDIENTS (67/548/EC)

NAME	CAS NO	EI NECS/ELI NCS	MIN/MAX	SYMBOL	R-PHRASES
4-methyl-2-pentanol	108-11-2	203-551-7	5 < C < 15 %	Xi	R10, R37
Kerosine (petroleum); Straight run kerosine	8008-20-6	232-366-4	50 < C < 75 %	Xn, N	R10, R38, R51/53, R65
Polyalkylene amine	84605-20-9	Polymer	5 < C < 10 %	Xi	R38, R52/53
Polyether	173140-85-7	Polymer	< 2,5 %	Xi	R38
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	265-198-5	1 < C < 2,5 %	Xn, N	R51/53, R65, R66, R67
ethanol; ethyl alcohol	64-17-5	200-578-6	5 < C < 10 %	F	R11
naphthalene	91-20-3	202-049-5	< 0,25 %	Xn, N	R22, R40, R50/53
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	200-661-7	5 < C < 10 %	F, Xi	R11, R36, R67

#### INFORMATION ON INGREDIENTS (1272/2008/EC)

NAME	CAS NO	CLP
4-methyl-2-pentanol	108-11-2	Flam. Liq. 3, H226; STOT SE 3, H335
Kerosine (petroleum); Straight run kerosine	8008-20-6	Asp. Tox. 1, H304
Polyalkylene amine	84605-20-9	Eye Irrit. 2, H319
Polyether	173140-85-7	Skin Irrit./2, H315
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	Asp. Tox. 1, H304
ethanol; ethyl alcohol	64-17-5	Flam. Liq. 2, H225
naphthalene	91-20-3	Carc. 2, H351; Acute Tox. 4 *, H302 ;Aquatic Acute 1, H400; Aquatic Chronic 1, H410
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

## 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  
Immediately consult a doctor/medical service

#### Skin

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

#### Eyes

Rinse immediately with plenty of water for 15 minutes  
Take victim to an ophtalmologist if irritation persists

#### Ingestion

Rinse mouth with water

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Do not induce vomiting  
Immediately consult a doctor/medical service  
Ingestion of large quantities: immediately to hospital

## 5. FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

#### FIRE EXTINGUISHING MEDIA

Carbon dioxide  
Dry chemical powder  
AFFF/AR-foam

#### 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  
Solid water jet ineffective as extinguishing medium

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

#### Fire hazard

Highly flammable  
Gas/vapour flammable with air within explosion limits  
May build up electrostatic charges: risk of ignition  
May be ignited by sparks  
Gas/vapour spreads at floor level: ignition hazard

#### Explosion hazard

No direct explosion hazard

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Protective clothing  
Gloves  
Protective goggles  
Face-shield  
Large spills/in enclosed spaces: compressed air apparatus  
Heat/fire exposure: compressed air/oxygen apparatus  
Mark the danger area - Consider evacuation - Seal off low-lying areas - Close doors and windows of adjacent premises - 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 containers closed - Wash contaminated clothes

### 6.2 ENVIRONMENTAL PRECAUTIONS

Dam up the liquid spill  
Contain released substance, pump over in suitable containers  
Plug the leak, cut off the supply  
Try to reduce evaporation  
Dilute/disperse combustible gas/vapour with water curtain  
Provide equipment/receptacles with earthing  
Do not use compressed air for pumping over spills

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Liquid spill: take up in non-combustible absorbent material  
Scoop absorbed substance into closing containers  
Carefully collect the spill/leftovers  
Do not use compressed air for pumping over spills  
Clean contaminated surfaces with an excess of water and soap solution  
Wash clothing and equipment after handling

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## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Comply with the legal requirements  
Work under local exhaust/ventilation  
Observe normal hygiene standards  
Remove contaminated clothing immediately  
Clean contaminated clothing  
Keep container tightly closed  
Use spark-/explosionproof appliances and lighting system  
Take precautions against electrostatic charges  
Keep away from naked flames/heat  
Keep away from ignition sources/sparks  
Handle uncleaned empty containers as full ones  
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 - container tightly closed - Store in a dry area - Store in a cool area - Keep container in a well-ventilated place - Meet the legal requirements

Storage temperature < 45°C

Containers : material selection SUITABLE MATERIAL:  
carbon steel  
stainless steel

Containers : requirements closing  
clean  
correctly labelled  
meet the legal requirements

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

LIMIT VALUE	PRODUCT NAME	LIMIT VALUE (MG/M <sup>3</sup> )	LIMIT VALUE (PPM)	SHORT TIME VALUE (MG/M <sup>3</sup> )	SHORT TIME VALUE (PPM)
	4-Methyl-2-pentanol	106 mg/m <sup>3</sup>	25 ppm	169 mg/m <sup>3</sup>	40 ppm
	Naphtalene	53 mg/m <sup>3</sup>	10 ppm	80 mg/m <sup>3</sup>	15 ppm

PRODUCT NAME	VME (PPM)	VME (MG/M <sup>3</sup> )	VLE (PPM)	VLE (MG/M <sup>3</sup> )
4-Methyl-2-pentanol	25 ppm	100 mg/m <sup>3</sup>	-	-
ethanol	1000	1900	5000	9500
naphthalene	10 ppm	50 mg/m <sup>3</sup>	-	-
isopropylalcohol			400	980

PRODUCT NAME	MAC (MG/M <sup>3</sup> )	MAC (PPM)	MAC SHORT TIME (MG/M <sup>3</sup> )	MAC SHORT TIME (PPM)
4-Methyl-2-pentanol	100 mg/m <sup>3</sup>			
naphthalene	50 mg/m <sup>3</sup>		80 mg/m <sup>3</sup>	

PRODUCT NAME	MAK (MG/M <sup>3</sup> )	MAK (PPM)	MAK SKIN RESORPTION	MAK CARCINOGENICITY
4-Methylpentan-2-ol	85 mg/m <sup>3</sup>	20 ppm		
naphthalene	-	-	H	2

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

PRODUCT NAME	TLV-TWA (MG/M <sup>3</sup> )	TLV-TWA (PPM)	TLV-STEL (MG/M <sup>3</sup> )	TLV-STEL (PPM)
Methyl isobutyl carbinol		25 ppm		40 ppm
Naphthalene		10 ppm		15 ppm

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## 8.2 EXPOSURE CONTROLS

Personal protection

Gloves

Face shield

Protective goggles

Protective clothing

High gas/vapour concentration: gas mask

Materials for protective clothing

GIVE GOOD RESISTANCE:

nitrile rubber

neoprene

GIVE POOR RESISTANCE:

natural rubber

PVC

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation	Liquid
Odour	solvent-like odour
Colour	Yellow
Specific gravity	812.2 kg/m <sup>3</sup> @ 15°C
Refractive Index @ 20°C	1.4343

### 9.2 OTHER INFORMATION

Solubility in water negligible

Other properties Clear, May generate electrostatic charges, The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

Flashpoint 15°C

Auto-ignition temperature >200°C

## 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

REACTIVITY HAZARD Upon combustion CO and CO<sub>2</sub> are formed  
Reacts with (strong) oxidizers  
(strong) acids

### 10.2 CHEMICAL STABILITY

Stable under normal conditions

### 10.4 CONDITIONS TO AVOID

KEEP SUBSTANCE AWAY FROM:

heat sources

ignition sources

combustible materials

oxidizing agents

(strong) acids

## 11. TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

#### 11.1.2 MIXTURES

Values of chronic toxicity

Toxicity

Vapours may cause drowsiness and dizziness - Harmful: may cause lung damage if swallowed - Repeated exposure may cause skin dryness or - cracking

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## Toxicity hazard

DIRECT TOXICITY HAZARD - Literature reports harmful - Irritating - Anesthetic in high concentrations

## Effects/symptoms

### Symptoms/injuries

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: - Dry skin - Red skin - Swelling of the skin - Skin rash/inflammation

### Symptoms/injuries after skin contact

Dry skin  
Degreasing  
Tingling/irritation of the skin

### Symptoms/injuries after inhalation

Irritation of the respiratory tract  
Nausea  
Dizziness  
Disturbances of consciousness  
CNS depression

### Symptoms/injuries after eye contact

Redness of the eye tissue  
Irritation of the eye tissue

### Symptoms/injuries after ingestion

Risk of aspiration pneumonia  
Risk of lung oedema  
Nausea  
Diarrhoea

## 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)

Water pollutant (surface water)

Literature reports: toxic to aquatic organisms

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

Not dangerous for the ozone layer (Council Regulation (EC)

No 2037/2000, O.J. L244 of 29/09/2000)

## 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

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<b>Package</b>	
<i>Plastic</i>	15.01.10*
<i>Metal</i>	15.01.11*
<b>Product</b>	
<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

## 14. TRANSPORT INFORMATION

### 14.1 UN NUMBER

UN-n° 1993

### 14.2 UN PROPER SHIPPING NAME

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

### 14.3 TRANSPORT HAZARD CLASS(ES)

#### Road (ADR)

ADR class 3 ADR Classification Code  
 Danger code 33 ADR symbol

F1



3 black -  
Flammable  
liquids



N -  
Environmentally  
hazardous  
substance

#### State during transport (ADR-RID)

Special Provision: 640D  
 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  
 305/Y305

ICAO Instruction cargo  
 307

### 14.4 PACKING GROUP

ADR PACKAGE GROUP 2 II  
 IMDG PACKAGE GROUP II  
 ICAO PACKAGE GROUP II

## 15. REGULATORY INFORMATION

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## 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.*

## 16. OTHER INFORMATION

R-phrases	R10 - Flammable R11 - Highly flammable R22 - Harmful if swallowed R36 - Irritating to eyes R37 - Irritating to respiratory system R38 - Irritating to skin R40 - Limited evidence of a carcinogenic effect 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 R52/53 - Harmful 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	H225 - Highly flammable liquid and vapour. H226 - Flammable liquid and vapour. H302 - Harmful if swallowed. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness. 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	§3,5,7,9

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.