

# Material Safety Data Sheet

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

## W61354 - Fuel System Cleaner

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

#### IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

W61354 - Fuel System Cleaner

#### USE OF THE SUBSTANCE/PREPARATION

Petrol additive.

#### COMPANY IDENTIFICATION

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

### 2. HAZARDS IDENTIFICATION



F - highly flammable



Xn - harmful



N - dangerous for the environment

#### HAZARDS FOR HUMANS AND THE ENVIRONMENT

Highly flammable - Irritating to skin - 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	EINECS/ELINCS	MIN/MAX	SYMBOL	R-PHRASES
4-methyl-2-pentanol	108-11-2	203-551-7	5 <= C < 10 %	XI	R10, R37
Alkaryl Polyether	Polymer	Polymer	1 < C < 2,5 %		R52/53
Kerosine (petroleum): Straight run kerosine	8008-20-6	232-366-4	50 < C < 75 %	Xn,N	R10, R38, R51/53, R65
N-Paraffins C5-C20	64771-72-8	265-233-4	1 < C < 2,5 %	Xn	R65
Polyalkylene amine	Polymer	Polymer	2,5 < C < 5 %	XI	R38, R52/53
Solvent naphtha (petroleum), heavy arom.: Kerosine - unspecified	64742-94-5	265-198-5	2,5 < C < 5 %	Xn,N	R51/53, R65, R66, R67
ethanol; ethyl alcohol	64-17-5	200-578-6	5 <= C < 10 %	F	R11
propan-2-ol; Isopropyl alcohol; Isopropanol	67-63-0	200-661-7	5 <= C < 10 %	F,XI	R11, R36, R67

### 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

---

# W61354 - Fuel System Cleaner

---

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 ophthalmologist if irritation persists

## INGESTION

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

## 5. FIRE-FIGHTING MEASURES

### EXTINGUISH. AGENTS-FIRE FIGHTING INSTR.

#### FIRE EXTINGUISHING MEDIA

Carbon dioxide  
Dry chemical powder  
AFFF 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

### FIRE HAZARD

#### DIRECT FIRE HAZARD

Highly 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  
Gas/vapour spreads at floor level: ignition hazard

### EXPLOSION HAZARD

Gas/vapour explosive with air within explosion limits  
May be ignited by sparks

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PROTECTION

---

# W61354 - Fuel System Cleaner

---

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

## GENERAL MEASURES

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

## LEAK

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

## DISPOSAL

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

## 7. HANDLING AND STORAGE

### HANDLING THE PRODUCT

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

### STORAGE

#### 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

#### CONTAINERS : MATERIAL SELECTION SUITABLE MATERIAL:

carbon steel  
stainless steel

#### CONTAINERS : REQUIREMENTS

closing  
clean

# W61354 - Fuel System Cleaner

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

## SPECIFIC APPLICATIONS

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### VME/VLE

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
isopropylalcohol			400	980

#### MAC

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>			

#### MAK

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		

#### TLV

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

#### PERSONAL PROTECTION

Gloves  
Face shield  
Protective goggles  
Protective clothing  
High gas/vapour concentration: gas mask

#### ENVIRONMENTAL PROTECTION EQUIPMENT

#### MATERIALS FOR PROTECTIVE CLOTHING

GIVE GOOD RESISTANCE:  
nitrile rubber  
neoprene  
GIVE POOR RESISTANCE:  
natural rubber  
PVC

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### GENERAL INFORMATION

STATE OF AGGREGATION	Liquid
ODOUR	solvent-like odour
COLOUR	Yellow
SOLUBILITY IN WATER	negligible

OTHER PROPERTIES Clear, The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

#### VALUES OF PHYSICAL PROPERTIES

SPECIFIC GRAVITY	807 kg/m <sup>3</sup> @ 15°C	SOLIDIFICATION POINT	<-20°C
REFRACTIVE INDEX @ 20°C	1.434		

#### HAZARDS FOR EXPLOSION AND FIRE

# W61354 - Fuel System Cleaner

FLASHPOINT 17°C  
AUTO-IGNITION TEMPERATURE >200°C

EXPLOSION RISK  
EXPLOSIVE LIMITS (VOL%) 0.7 - 12%

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal conditions

### CHEMICAL REACTIONS

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

### PROHIBITIONS ON MIXED STORAGE

KEEP SUBSTANCE AWAY FROM:  
heat sources  
ignition sources  
combustible materials  
oxidizing agents  
(strong) acids

### HAZARDOUS DECOMPOSITION PRODUCTS

## 11. TOXICOLOGICAL INFORMATION

### 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

### 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 PROPERTIES

### MOBILITY

### ECOLOGY - GENERAL

According to literature: environmental hazard

### ECOLOGY - WATER

Contains ground water contaminating component(s)

---

# W61354 - Fuel System Cleaner

---

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

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

# W61354 - Fuel System Cleaner

## 14. TRANSPORT INFORMATION

UN number 1993

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

### ROAD (ADR)

ADR CLASS 3 ADR CLASSIFICATION CODE F1  
ADR SYMBOL



3 black -  
Flammable liquids



N -  
Environmentally  
hazardous  
substance

ADR-PACKING GROUP II  
DANGER CODE 33

STATE DURING TRANSPORT (ADR-RID)

Special Provision: 640D  
Tunnel restrictions code (8.6): (D/E)

### SEA (IMDG)

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

### AIR (IATA/ICAO)

ICAO CLASS 3 ICAO PACKAGE GROUP II  
ICAO INSTRUCTION PASSENGER 305/Y305 ICAO INSTRUCTION CARGO 307

## 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  
Kerosine (petroleum): Straight run kerosine 8008-20-6

### 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

### S-PHRASES

R65 - Harmful: may cause lung damage if swallowed  
S(02) - (Keep out of reach of children)  
S16 - Keep away from sources of ignition - No smoking  
S23 - Do not breathe vapour  
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)

---

# W61354 - Fuel System Cleaner

---

## 16. OTHER INFORMATION

### R-PHRASES

R10 - Flammable  
R11 - Highly flammable  
R36 - Irritating to eyes  
R37 - Irritating to respiratory system  
R38 - Irritating to skin  
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

### REVISION

§§ 3,14

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.

---