

Material Safety Data Sheet

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

W55964 - Injector Cleaner for Petrol Engines

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

W55964 - Injector Cleaner for Petrol Engines

USE OF THE SUBSTANCE/PREPARATION

Fuel Additive.

COMPANY IDENTIFICATION

COMPANY Wynn's Belgium B.V.B.A.
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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 < 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	Polymer	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

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

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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/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

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

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION

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

GENERAL MEASURES

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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
correctly labelled
meet the legal requirements

SPECIFIC APPLICATIONS

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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VME/VLE

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

MAC

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

MAK

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

OEL/TRK

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)
Methyl isobutyl carbinol		25 ppm		40 ppm
Naphthalene		10 ppm		15 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, 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.

VALUES OF PHYSICAL PROPERTIES

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SPECIFIC GRAVITY 812.2 kg/m³ @ 15°C
REFRACTIVE INDEX @ 20°C 1.4343
HAZARDS FOR EXPLOSION AND FIRE
FLASHPOINT 15°C
AUTO-IGNITION TEMPERATURE >200°C

EXPLOSION RISK

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions

CHEMICAL REACTIONS

Upon combustion CO and CO₂ 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 - cracking

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

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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

ECOLOGY - AIR

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

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

PERSISTENCE AND DEGRADABILITY

WGK

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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

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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
ADR SYMBOL

F1



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 INSTRUCTION PASSENGER 305/Y305

ICAO PACKAGE GROUP II
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

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

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)

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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

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.
