

Material Safety Data Sheet

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

W89195 - Diesel System Purge

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

W89195 - Diesel System Purge

USE OF THE SUBSTANCE/PREPARATION

Diesel injection cleaner

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	5 < C < 15 %	Xn,N	R20, R44, R51/53, R65
4-methyl-2-pentanol	108-11-2	203-551-7	10 < C < 20 %	XI	R10, R37
Kerosine (petroleum): Straight run kerosine	8008-20-6	232-366-4	> 70 %	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	< 0.5 %	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)

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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. FIRE-FIGHTING MEASURES

EXTINGUISH. AGENTS-FIRE FIGHTING INSTR.

FIRE EXTINGUISHING MEDIA

Water spray
AFFF foam
BC powder
Carbon dioxide

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
Solid water jet ineffective as extinguishing medium

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 ³)	VLE (PPM)	VLE (MG/M ³)
4-Methyl-2-pentanol	25 ppm	100 mg/m ³	-	-
Naphtal?ne	10 ppm	50 mg/m ³	-	-

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			
Naftaleen	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		
Naphtalin	-	-	H	2

OEL/TRK

PRODUCT NAME	TRK (MG/M ³)	TRK (PPM)	TRK SKIN RESORPTION	TRK CARCINOGENICITY
Naphtalin	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
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	821.8 kg/m ³ @ 15°C
REFRACTIVE INDEX @ 20°C	1.4436

HAZARDS FOR EXPLOSION AND FIRE

FLASHPOINT	38.5°C
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EXPLOSION RISK

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10. STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions

CHEMICAL REACTIONS

Upon combustion CO and CO₂ 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

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,

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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

14. TRANSPORT INFORMATION

UN number 1993

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

ROAD (ADR)

ADR CLASS 3

ADR CLASSIFICATION CODE
ADR SYMBOL

F1



3 black -
Flammable liquids

ADR-PACKING GROUP III

DANGER CODE 30

RAIL (RID)

SEA (IMDG)

IMDG CLASS 3

MARINE POLLUTANT P

EMS NUMBER

IMDG PACKAGE GROUP

F-E, S-E

III

AIR (IATA/ICAO)

ICAO CLASS 3

ICAO INSTRUCTION PASSENGER
309/Y309

ICAO PACKAGE GROUP III

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
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)

SURFACTANTS

SURFACTANTS: <5%

aromatic hydrocarbons

non-ionic surfactants

SURFACTANTS: >30%

aliphatic hydrocarbons

16. OTHER INFORMATION

R-PHRASES

R10 - Flammable

R20 - Harmful by inhalation

R22 - Harmful if swallowed

R37 - Irritating to respiratory system

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

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.