Material Safety Data Sheet

(REGULATION (EU) No 453/2010)

W89195 - Diesel System Purge

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

1.1 PRODUCT IDENTIFIER

W89195 - Diesel System Purge

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

Diesel injection cleaner

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

Xn - harmful

N - dangerous for the environment

R10

R38

R44

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

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)
	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)

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 MIXTURES

INFORMATION ON INGREDIENTS (67/548/EC)

NAME	CAS NO	EINECS/ELINCS	MIN/MAX	SYMBOL	R-PHRASES
2-ethylhexyl nitrate	27247-96-7	248-363-6	5 < C < 15 %	Xn	R20/21, R44
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

INFORMATION ON INGREDIENTS (1272/2008/EC)

NAME	CAS NO	CLP
2-ethylhexyl nitrate	27247-96-7	Acute Tox. 4, H312; Acute Tox. 4, H332
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
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	64742-94-5	Asp. Tox. 1, H304
naphthalene	91-20-3	Carc. 2, H351; Acute Tox. 4 *, H302 ;Aquatic Acute 1, H400; Aquatic Chronic 1, H410

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
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 ophtalmologist 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. FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

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

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire hazard

Flammable
Gas/vapour flammable with air within explosion limits
May build up electrostatic charges: risk of ignition

Explosion hazard

Gas/vapour explosive with air within explosion limits
May be ignited by sparks
Risk of explosion if heated under confinement

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

.

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

6.2 ENVIRONMENTAL PRECAUTIONS

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

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

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

7.1 PRECAUTIONS FOR SAFE HANDLING

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

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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 : requirements	closing correctly labelled meet the legal requirements

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

LIMIT VALUE PRODUCT NAME	LIMIT VALUE (MG/M³)	LIMIT VALUE (PPM)	SHORT TIME VALUE (MG/M³)	SHORT TIME VALUE (PPM)
4-Methyl-2-pentanol	106 mg/m³	25 ppm	169 mg/m³	40 ppm
Naphtalene	53 mg/m³	10 ppm	80 mg/m³	15 ppm

PRODUCT NAME	VME (PPM)	VME (MG/M³)	VLE (PPM)	VLE (MG/M³)
4-Methyl-2-pentanol	25 ppm	100 mg/m³	-	-
naphthalene	10 ppm	50 mg/m³	-	-

PRODUCT NAME	MAC (MG/M³)	MAC (PPM)	MAC SHORT TIME (MG/M³)	MAC SHORT TIME (PPM)
4-Methyl-2-pentanol	100 mg/m³			
naphthalene	50 mg/m³		80 mg/m³	

PRODUCT NAME	MAK (MG/M³)	MAK (PPM)	MAK SKIN RESORPTION	MAK CARCINOGENICITY
4-Methylpentan-2-ol	85 mg/m³	20 ppm		
naphthalene	-	-	H	2

PRODUCT NAME	TRK (MG/M³)	TRK (PPM)	TRK SKIN RESORPTION	TRK CARCINOGENICITY
naphthalene	50 mg/m³	10 ppm		

TLV

PRODUCT NAME	TLV-TWA (MG/M³)	TLV-TWA (PPM)	TLV-STEL (MG/M³)	TLV-STEL (PPM)
Methyl isobutyl carbinol		25 ppm		40 ppm
Naphthalene		10 ppm		15 ppm

8.2 EXPOSURE CONTROLS

Personal protection
Gloves
safety glasses or face shield
Protective clothing
High gas/vapour concentration: gas mask
Materials for protective clothing

GIVE GOOD RESISTANCE:
neoprene
nitrile rubber
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	kerosine
Colour	Yellow
Specific gravity	821.8 kg/m³ @ 15°C
Refractive Index @ 20°C	1.4436

9.2 OTHER INFORMATION

Other properties	Clear, Insoluble in water, The physical and chemical data in this section are typical values for this product and are not intended as product specifications.
Flashpoint	38.5°C

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

REACTIVITY HAZARD

Upon combustion CO and CO2 are formed

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

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

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

11.1.2 MIXTURES

Values of chronic toxicity

Toxicity

Harmful: may cause lung damage if swallowed - Irritant to the skin - Moderately irritant for eyes - Slightly irritant to respiratory organs

Toxicity hazard

Irritating - Harmful

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 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

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

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

14.1 UN NUMBER

UN-n° 1993

14.2 UN PROPER SHIPPING NAME

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

14.3 TRANSPORT HAZARD CLASS(ES)

Road (ADR)

ADR class	3	ADR Classification Code	F1
Danger code	30	ADR symbol	

3 black - Flammable liquids

N - Environmentally hazardous substance

State during transport (ADR-RID)

Tunnel restrictions code (8.6): (D/E)

Sea (IMDG)

IMDG Class	3	EMS number	F-E, S-E
Marine pollutant	P		

Air (IATA/ICAO)

ICAO Class	3	ICAO Instruction cargo	310
ICAO Instruction passenger	309/Y309		

14.4 PACKING GROUP

ADR PACKAGE GROUP 2	III
IMDG PACKAGE GROUP	III
ICAO PACKAGE GROUP	III

15. REGULATORY INFORMATION

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
	R20/21 - Harmful by inhalation and in contact with skin
	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
Hazard Statements	H226 - Flammable liquid and vapour.
	H302 - Harmful if swallowed.
	H304 - May be fatal if swallowed and enters airways.
	H312 - Harmful in contact with skin.
	H332 - Harmful if inhaled.
	H335 - May cause respiratory irritation.
	H351 - Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routs of exposure cause the hazard>.
	H400 - Very toxic to aquatic life.
	H410 - Very toxic to aquatic life with long lasting effects.
Revision	§§ 3,5,6,7,11,14,15

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.