

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

Diesel fuel anti-waxing additive



Revision Date 11.04.2017

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

1.1 Product identifier

Trade name : WAXBREAKER GOLD
Other means of Identification : DWG006

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Additive for petroleum fuels
Recommended restrictions on use : This material should not be used for any other purpose than that recommended without expert advice.

1.3 Details of the supplier of the safety data sheet

Company : KAMCO LIMITED
Unit 9, Curo Park, Frogmore
St Albans
AL2 2DD
United Kingdom

E-mail address for further information : info@kamco.co.uk

1.4 Emergency telephone number : 0044 (1727) 875020
emergency)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS-Classification (REGULATION (EC) No 1272/2008)

Carcinogenicity: Category 2 H351: Suspected of causing cancer.
Specific target organ toxicity - single exposure: Category 3 H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure: Category 3 H335: May cause respiratory irritation.
Chronic aquatic toxicity: Category 2 H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

GHS-Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Hazardous components which must be listed on the label:

- Hydrocarbons, C10, aromatics, >1% naphthalene
- naphthalene

Supplemental information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other Hazards

Contact with hot material may cause thermal burns

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Hazardous components

Component	EC-No. Registration number	Concentration [%]	Classification (REGULATION (EC) No 1272/2008)
Hydrocarbons, C10, aromatics, >1% naphthalene	-- 01-2119463588-24	>=20 - <25	STOT SE 3; H336 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 2; H411
naphthalene	202-049-5	>=2.5 - <10	Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute Tox. 4; H302
1,2,4-trimethylbenzene	202-436-9	>=1 - <2.5	STOT SE 3; H335 Aquatic Chronic 2; H411 Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Asp. Tox. 1; H304

For the full text of the H-Statements mentioned in this Section, see Section 16.

All concentrations are weight percent units for liquids or volume percent units for gaseous products.

Other ingredients are either not hazardous or are below the regulatory disclosure limit..

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

- General advice** : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
- If inhaled** : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact** : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
In case of burns apply cold water until pain subsides then seek medical advice.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

- In case of eye contact** : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists: Get medical advice/ attention.
- If swallowed** : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : irritant effects
Dizziness
Cancer
Dermatitis
Tiredness

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Show this safety data sheet to the doctor in attendance.
The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
If a person vomits when lying on his back, place him in the recovery position.
Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.
Keep patient warm and at rest.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media** : Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames
- Unsuitable extinguishing media** : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Combustibility** : Combustible.
- Hazardous combustion products** : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
- Flammable properties** : See Section 9 for information on flammability.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

5.3 Advice for firefighters

Protective equipment and precautions for firefighters : In the event of fire, wear self-contained breathing apparatus. Exposure to decomposition products may be a hazard to health.

Fire Fighting Instructions : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Advice for emergency responders
Ensure adequate ventilation.
Use personal protective equipment.
Material can create slippery conditions.
For personal protection see section 8.

Advice for non-emergency personnel
Avoid contact with spilled material. Do not touch or walk through spilled material.

6.2 Environmental precautions

Environmental precautions : Prevent entry into waterways, sewers, basements or confined areas.

Local authorities should be advised if significant spillages cannot be contained.
Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Prevent further leakage or spillage if safe to do so.
Large Spills: Dyke far ahead of liquid spill for later recovery and disposal.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Recover by pumping or with suitable absorbent

Report spills as required to appropriate authorities.
Seek the advice of a specialist before using dispersants.
Dispose of according to local regulations.
In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Material will float on water, use containment booms as a barrier to protect shorelines.

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

6.4 Reference to other sections

Other information : For personal protection see section 8.
See section 13

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid formation of aerosol.
Do not breathe vapours or spray mist.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
Ensure all equipment is electrically grounded before beginning transfer operations.

Do not spray on a naked flame or any incandescent material.
Keep away from open flames, hot surfaces and sources of ignition.

Products may load from Infineum manufacturing site above the standard loading/unloading range.

Loading/unloading temperature : 40 °C (104 ° F) - 55 °C (131 ° F)

Viscosity @ Loading/unloading : 215 cSt - 420 cSt

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

temperature

Static accumulator : This material is a static accumulator.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Observe label precautions.

No decomposition if stored and applied as directed.

Storage temperature : 40 °C (104 ° F) - 55 °C (131 ° F)

Incompatible materials and coatings : Polyethylene, Butadiene Rubber, butyl-rubber, Styrene Rubber

7.3 Specific end use(s)

Specific use(s) : : This material should not be used for any other purpose than that recommended without expert advice.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Substance name					
Form	Limit / Standard			Note	Source
Hydrocarbons, C10, aromatics, >1% naphthalene					
	TWA	17 ppm	100 mg/m ³		EMBSI
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)					
	TWA		200 mg/m ³	CNS impair, URT irr, skin irr, P, A3, Skin, varies	ACGIH
vapour	TWA		200 mg/m ³		EMBSI
aerosol	TWA		5 mg/m ³		EMBSI
naphthalene					
	TWA	10 ppm	50 mg/m ³		91/322/EEC
	TWA	10 ppm		hematologic eff, URT irr, eye irr, eye dam, (,), A4, Skin	ACGIH
	STEL	15 ppm		hematologic eff, URT irr, eye irr, eye dam, (,), A4, Skin	ACGIH

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

1,2,4-trimethylbenzene

	TWA	20 ppm	100 mg/m ³		2000/39/EC
--	-----	--------	-----------------------	--	------------

Exposure limits for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5mg/m³ - ACGIH TLV, 10 mg/m³ - ACGIH STEL

Limits/standards shown for guidance only. Follow applicable regulations.

Recommended monitoring procedures : This product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

DNEL

Hydrocarbons, C10, aromatics, >1% naphthalene

: End Use: **Workers**
Exposure routes: **Skin contact**
Potential health effects: **Long-term systemic effects**
Value: **12.5 mg/kg**

End Use: **Workers**
Exposure routes: **Inhalation**
Potential health effects: **Long-term systemic effects**
Value: **151 mg/m³**

End Use: **Consumers**
Exposure routes: **Skin contact**
Potential health effects: **Long-term systemic effects**
Value: **7.5 mg/kg**

End Use: **Consumers**
Exposure routes: **Inhalation**
Potential health effects: **Long-term systemic effects**
Value: **32 mg/m³**

End Use: **Consumers**
Exposure routes: **Ingestion**
Potential health effects: **Long-term systemic effects**
Value: **7.5 mg/kg**

PNEC

Hydrocarbons, C10, aromatics, >1% naphthalene

: **No data available**

8.2 Exposure controls

Appropriate engineering : No special requirements under ordinary conditions of use and

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

controls with adequate ventilation.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

The applicable European standard can be found in EN 140, EN 137, EN 143, EN 14387.

Hand protection

Remarks : Solvent-resistant gloves Before removing gloves clean them with soap and water. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. When handling hot material, use heat resistant gloves.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Ensure that eyewash stations and safety showers are close to the workstation location.

The applicable European standard can be found in EN 166.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Long sleeved clothing

The applicable European standard can be found in EN 14605.

Advice on general occupational hygiene

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and immediately after handling the product.
Remove contaminated clothing and protective equipment before entering eating areas.

Environmental exposure controls

General advice : Prevent entry into waterways, sewers, basements or confined areas.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Local authorities should be advised if significant spillages cannot be contained.
Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

Physical state	: liquid
Form	: viscous liquid
Colour	: white
Odour	: aromatic
Odour Threshold	: not determined
Relative density	: not determined
Bulk density	: Not applicable
Density	: 0.926 g/cm ³ at 15 °C (59 ° F) Method: Calculated 0.926 g/cm ³ at 15 °C (59 ° F)
Flash point	: 62 °C (144 ° F) Method: Pensky-Martens Closed Cup (ASTM D93B)
Flammability (solid, gas)	: not determined
lower flammability limit	: 0.80 %(V)
Upper flammability limit	: 6 %(V)
Auto-ignition temperature	: 200.1 °C (392.2 ° F)
Initial boiling point and boiling range	: not determined
Vapour density (Air = 1.0)	: not determined

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Vapour pressure	: 0.45 hPa (0.34 mmHg) at 20 °C (68 ° F)
Evaporation rate (N-butyl acetate=1)	: 0.05
pH	: Not applicable
Partition coefficient: n-octanol/water	: not determined
Water solubility	: < 0.0001 g/l estimated
Viscosity, kinematic	: 420 mm ² /s at 40 °C (104 ° F) Method: ASTM D 445 175 mm ² /s at 60 °C (140 ° F) Method: ASTM D 445 275 mm ² /s at 50 °C (122 ° F) Method: ASTM D 445
Explosive properties	: not determined
Oxidizing properties	: See Section 2
Decomposition temperature	: not determined
Melting point/freezing point	: not determined
Pour point	: 6 °C (43 ° F) Method: ASTM D97
	: 6 °C (43 ° F) Method: ASTM D97

9.2 Other information

DMSO extract by IP346	: Not applicable (mineral oil component only)
Coefficient of thermal expansion	: 0.0008 1/°C ITM 50-020

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Hazardous reactions : Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Incompatible materials : Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product

- Acute oral toxicity : No data is available on the product itself.
- Acute inhalation toxicity : No data is available on the product itself.
- Acute dermal toxicity : No data is available on the product itself.
- Skin corrosion/irritation : No data is available on the product itself.
- Serious eye damage/eye irritation : No data is available on the product itself.
- Respiratory or skin sensitisation : No data is available on the product itself.
- Germ cell mutagenicity
- Genotoxicity in vitro : No data is available on the product itself.
- Genotoxicity in vivo : No data is available on the product itself.
- Carcinogenicity : Suspected of causing cancer.
- Reproductive toxicity : No data is available on the product itself.
- STOT - single exposure : Assessment: No data is available on the product itself.
- STOT - repeated exposure : Assessment: No data is available on the product itself.
- Aspiration hazard : No data is available on the product itself.

Components:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Hydrocarbons, C10, aromatics, >1% naphthalene:

Acute oral toxicity	: LD50 Rat: > 5,000 mg/kg Method: OECD Test Guideline 401 Test substance: yes Remarks: Based on available data, the classification criteria are not met.
Acute inhalation toxicity	: LC50 Rat: > 4.688 mg/l Exposure time: 4 h vapour Method: OECD Test Guideline 403 Test substance: yes Based on available data, the classification criteria are not met.
Acute dermal toxicity	: LD50 Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 Test substance: yes Remarks: Based on available data, the classification criteria are not met.
Skin corrosion/irritation	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404 Test substance: yes Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	: Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405 Test substance: yes Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: Test Method: Maximisation Test Species: Guinea pig Result: Does not cause skin sensitisation. Method: OECD Test Guideline 406 Test substance: yes Based on available data, the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity in vitro	: Result: negative Test substance: yes Based on available data, the classification criteria are not met.
Genotoxicity in vivo	: Test species: Rat, Bone marrow Application Route: inhalation (vapour) Test substance: yes Result: negative Based on available data, the classification criteria are not met.
Carcinogenicity	: No data available
Reproductive toxicity	: Test substance: Read-across (Analogy) Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

STOT - single exposure : Remarks: **May cause drowsiness or dizziness.**

STOT - repeated exposure : Remarks: **Based on available data, the classification criteria are not met.**

Aspiration hazard : **May be fatal if swallowed and enters airways.**

naphthalene:

Carcinogenicity : Species: **Rat**
Application Route: **inhalation (vapour)**
Test substance: **yes**
Suspected of causing cancer., NAPHTHALENE: Exposure to high concentrations of naphthalene may cause destruction of red blood cells, anemia, and cataracts. Naphthalene caused cancer in laboratory animal studies, but the relevance of these findings to humans is uncertain.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish : No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : No data is available on the product itself.

Toxicity to algae : No data is available on the product itself.

Components:

Hydrocarbons, C10, aromatics, >1% naphthalene :

Toxicity to fish : **LC50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/l**
Exposure time: **96 h**
Test Method: **semi-static test**
Test substance: **yes**
Method: **OECD Test Guideline 203**
Toxic to aquatic life.

Toxicity to daphnia and other aquatic invertebrates : **EL50 (Daphnia magna (Water flea)): 3 - 10 mg/l**
Exposure time: **48 h**
Test Method: **static test**
Test substance: **yes**
Method: **OECD Test Guideline 202**
Toxic to aquatic life.

Toxicity to algae : **EC50 (Pseudokirchneriella subcapitata (green algae)): 11 mg/l**
Exposure time: **72 h**
Test Method: **static test**
Test substance: **yes**

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Method: OECD Test Guideline 201
Harmful to aquatic life.

12.2 Persistence and degradability

Product:

Biodegradability : No data is available on the product itself.

Components:

Hydrocarbons, C10, aromatics, >1% naphthalene :

Biodegradability : aerobic
activated sludge
Result: Inherently biodegradable.
Biodegradation: 57.95 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
Test substance: yes
According to the results of tests of biodegradability this product is not readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : No data is available on the product itself.

Partition coefficient: n-octanol/water : not determined

Components:

Hydrocarbons, C10, aromatics, >1% naphthalene :

Bioaccumulation : study scientifically unjustified

Partition coefficient: n-octanol/water : No data available

12.4 Mobility in soil

Product:

Mobility : No data is available on the product itself.

Components:

Hydrocarbons, C10, aromatics, >1% naphthalene :

Mobility : After release, adsorbs onto soil.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : No data is available on the product itself.
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

Hydrocarbons, C10, aromatics, >1% naphthalene :

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Product:

Additional ecological information : Test data on the whole aromatic solvent overrides the calculated contribution of naphthalene.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of contents/ container to an approved waste disposal plant.

Disposal recommendations based on material as supplied, Disposal must be in accordance with applicable laws and regulations, and material characteristics at time of disposal

For the safety of persons conducting disposal, recycling or reclamation activities, refer to the information in Section 8, Exposure control and personal protection.

Empty containers.

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Regulatory disposal information

European Waste Code : 13 07 XX
wastes of liquid fuels

SECTION 14. TRANSPORT INFORMATION

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

ADR / RID

14.1 UN number

UN number UN3256

14.2 UN proper shipping name

Proper shipping name Elevated temperature liquid, flammable, n.o.s.
(Heavy aromatic solvent)

14.3 Transport hazard class(es)

Transport hazard class 3

14.4 Packing group

Packing group III

Classification Code F2

Labels 3

Hazard Identification
Number 30

Hazchem Code 2Y

14.5 Environmental hazards

Environmentally
hazardous yes

14.6 Special precautions for user

Footnote The above classification applies if the product is offered for transport at a temperature equal or greater than its flashpoint. If the product is offered for transport below the flashpoint, the conditions of UN 3082, Class 9, PG III apply instead of the classification given above.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks Not applicable

IMDG

14.1 UN number

UN number 3256

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

14.2 UN proper shipping name

Proper shipping name Elevated temperature liquid, flammable, n.o.s.
(Heavy aromatic solvent)

14.3 Transport hazard class(es)

Transport hazard class 3

14.4 Packing group

Packing group III

Labels 3

EmS Number 1 F-E, S-D

14.5 Environmental hazards

Marine pollutant yes

14.6 Special precautions for user

Footnote The above classification applies if the product is offered for transport at a temperature equal or greater than its flashpoint. If the product is offered for transport below the flashpoint, the conditions of UN 3082, Class 9, PG III apply instead of the classification given above.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks Not applicable

IATA

14.1 UN number

UN number FORBIDDEN FOR AIR TRANSPORT

14.2 UN proper shipping name

Proper shipping name FORBIDDEN FOR AIR TRANSPORT

14.3 Transport hazard class(es)

Transport hazard class FORBIDDEN FOR AIR TRANSPORT

14.4 Packing group

Packing group FORBIDDEN FOR AIR TRANSPORT

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Packing instruction (cargo aircraft) FORBIDDEN FOR AIR TRANSPORT

Classification Code FORBIDDEN FOR AIR TRANSPORT

Labels FORBIDDEN FOR AIR TRANSPORT

Hazard Identification Number FORBIDDEN FOR AIR TRANSPORT

Hazchem Code FORBIDDEN FOR AIR TRANSPORT

14.5 Environmental hazards

Environmentally hazardous FORBIDDEN FOR AIR TRANSPORT

14.6 Special precautions for user

Footnote Product classified as UN 3256 is forbidden by air transport but the product may be transported by air if its temperature is less than its flashpoint. If the product is offered for transport below the flashpoint, the conditions of UN 3082, Class 9, PG III apply instead of the classification given above.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Risk classification according to VbF : Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water

Major Accident Hazard Legislation : 2012/18/EU
ENVIRONMENTAL HAZARDS
Category: E2
Quantity 1: 200 t
Quantity 2: 500 t

2012/18/EU
Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

to (d)
Category: 34
Quantity 1: 2,500 t
Quantity 2: 25,000 t

Water contaminating class : WGK 2 water endangering
(Germany)

TA Luft List (Germany)

	portion Class 1	portion Class 2	portion Class 3	portion Class 4	portion other substances
Total dust	Not applicable				
Inorganic substances in powdered form	Not applicable				
Inorganic substances in vapour or gaseous form	Not applicable				
Organic Substances	5.36 %				94.64 %
Carcinogenic substances	Not applicable				
Mutagenic	Not applicable				
Toxic to reproduction	Not applicable				

National chemical inventory status:

List	Status
TSCA	: Listed
DSL	: Listed
AICS	: Listed
NZIoC	: Listed
ENCS	: Listed
KECI	: Listed
PICCS	: Listed
IECSC	: Listed
EINECS	: Listed
TCSI	: Listed

Other regulations : Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.
Take note of Dir 94/33/EC on the protection of young people at work.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Revision changes since the previous version are marked in the margins throughout this document

Sources of key data used to compile the Safety Data Sheet:

Austria: Regulation on Combustible Liquids VbF AT V1.2
EU Registration, Evaluation and Restriction of Chemicals regulation (REACH): Classification and Labelling Inventory
Denmark: Executive Order No. 301 Bekendtgørelse om fastsættelse af kodenumre Arbejdstilsynets bekendtgørelse nr. 301 af 1. maj 1993 (MAL Code)
France: Installations Classées pour la Protection de l'Environnement. (Loi 76/663 (modifiée) relative aux installations classées).
France: le code de la sécurité sociale (titre VI du livre IV). (maladies professionnelles)
Germany: Administrative regulation for water hazardous substances # VwVwS of 17 May 1999 (WGK).
Germany: LGK. Combined storage of chemicals # Federation of Chemical Industries dated July 1998.
Germany: TA Luft
UN Economic Commission for Europe: European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)
Infineum studies
International Agency for Research on Cancer
International Air Transport Association: Dangerous Goods Regulations.
International Maritime Organization: International Maritime Dangerous Goods Code
Component supplier data

Procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification	Classification procedure:
Carcinogenicity, Category 2, H351	Calculation method

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

WAXBREAKER GOLD

diesel fuel anti-waxing additive

Revision Date 11.04.2017

Specific target organ toxicity - single exposure, Category 3, Central nervous system, H336	Calculation method
Specific target organ toxicity - single exposure, Category 3, Respiratory system, H335	Calculation method
Chronic aquatic toxicity, Category 2, H411	Calculation method

The information provided relates only to the product or material specified and does not apply if used in combination with other materials. The data sheet gives information to the best of Multisol's knowledge and awareness as of its issue date. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied that the information provided is suitable and complete enough for this material's particular use.