

Fuel System Treatment 23011

Safety Data Sheet

according to Regulation (EC) No. 453/2010

MSDS Version: E02.01

Date of issue: 24/06/2015

Blend Version: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Fuel System Treatment :

Product code : 60299400

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Petrol additive.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Kraco Car Care International Ltd
4 Ambassador Place, Stockport Road,
Altrincham, WA15 8DB, United Kingdom
T: +44 (0) 161 927 7000 E: kcci-orders@kraco.com

1.4. Emergency telephone number

Emergency number : +32 3 575 11 30 (Office Hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315

STOT RE 1 H372

Asp. Tox. 1 H304

Aquatic Chronic 3 H412

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R65

Xn; R48/20

R66

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) : Danger

Hazardous ingredients : hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P102 - Keep out of reach of children
P405 - Store locked up
P260 - Do not breathe vapours
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P331 - Do NOT induce vomiting
P280 - Wear protective gloves

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P273 - Avoid release to the environment

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% w	Classification according to Directive 67/548/EEC
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	(EC no) 919-164-8 (REACH-no) 01-2119473977-17	75 - 90	Xn; R48/20 Xn; R65 R66
polyetheramine	(CAS No) 224622-34-8	10 - 25	Xi; R38 R52/53
Kerosine (petroleum), hydrodesulfurized	(CAS No) 64742-81-0 (EC no) 265-184-9 (EC index no) 649-423-00-8 (REACH-no) 01-2119462828-25	0,1 - 1	Xn; R65 Xi; R38 N; R51/53

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	(EC no) 919-164-8 (REACH-no) 01-2119473977-17	75 - 90	STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
polyetheramine	(CAS No) 224622-34-8	10 - 25	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
Kerosine (petroleum), hydrodesulfurized	(CAS No) 64742-81-0 (EC no) 265-184-9 (EC index no) 649-423-00-8 (REACH-no) 01-2119462828-25	0,1 - 1	Skin Irrit. 2, H315 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Vomiting: prevent asphyxia/aspiration pneumonia. Victim in shock: on his back with legs slightly raised. Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Prevent cooling by covering the victim (no warming up). If necessary seek medical advice.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. AFFF foam. ABC-powder.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.

Explosion hazard : Product is not explosive.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection. protective clothing.

Emergency procedures : Mark the danger area. Prevent flow to low areas. Large spills/in enclosed spaces: compressed air apparatus. Avoid contact with skin, eyes and clothing. Wash contaminated clothes.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain leaking substance, pump over in suitable containers.

Methods for cleaning up : Take up liquid spill into inert absorbent material. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Meets the legal requirements. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin. IF ON SKIN: Wash with plenty of soap and water. Presents no particular risk when handled in accordance with good occupational hygiene practice.

Hygiene measures : Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Meets the legal requirements.

Storage area : Meets the legal requirements. Store in a well-ventilated place. Ventilation along the floor.

Special rules on packaging : Store in a closed container. correctly labelled.

7.3. Specific end use(s)

See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Italy - Portugal - USA ACGIH TWA (ppm) 100 ppm
ACGIH

8.2. Exposure controls

Appropriate engineering controls

: Provide good ventilation in process area to prevent formation of vapour. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment

: Gloves. Safety glasses.



Hand protection

: Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information

: Breakthrough time : >30'. Thickness of the glove material >0.1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Colourless.
Odour	: petroleum-like odour.
Odour threshold	: No data available
pH	:
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	: 1,449
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 64 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density @20°C	: 828 kg/m ³
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: 2,4 mm ² /s
Viscosity, dynamic @40°C	: No data available
Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : 80,2 %

Additional information : The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Combustible liquid. Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Harmful: may cause lung damage if swallowed
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Causes damage to organs (central nervous system) through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: This product contains hazardous components for the aquatic environment. May cause long lasting harmful effects to aquatic life.
Ecology - water	: Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other information : Avoid release to the environment.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant.

European List of Waste (LoW) code : 18 01 06* - chemicals consisting of or containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Fuel System Treatment 23011 is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 80,2 %

15.1.2. National regulations

Water hazard class (WGK) : 2 - hazard to waters

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

Aquatic Chronic 2

Hazardous to the aquatic environment — Chronic Hazard, Category 2

Aquatic Chronic 3

Hazardous to the aquatic environment — Chronic Hazard, Category 3

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Asp. Tox. 1	Aspiration hazard, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R38	Irritating to skin
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
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
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product