SAFETY DATA SHEET
STP® PETROL INJECTOR CLEANER

According to Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name STP® PETROL INJECTOR CLEANER

Product No. 53200, 53400

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

Identified uses Fuel additive.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Armored Auto UK Ltd
Unit 16, Rassau Industrial Estate
Ebbw Vale
Gwent NP23 5SD
UK
Tel: +44 1495 350234
Fax: + 44 1495 350431
euregulatory@armoredautogroup.com

1.4. Emergency telephone number

+44 1495 350234
Monday - Thursday: 8.30 - 17.00
Friday: 8.30 - 15.30

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R65. R52/53, R66.

Human health

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Contains KEROSENE

Labelling

Harmful

Risk Phrases

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.

Safety Phrases

S2	Keep out of the reach of children.
S24	Avoid contact with skin.

S46	If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

KEROSENE **60-100%**

CAS-No.: 64742-47-8 **EC No.: 265-149-8**

Classification (EC 1272/2008)	Classification (67/548/EEC)
EUH066	Xn;R65.
Asp. Tox. 1 - H304	R66.

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC **1-5%**

CAS-No.: 64742-94-5 **EC No.: 265-198-5** **Registration Number: 01-2119463588-24**

Classification (EC 1272/2008)	Classification (67/548/EEC)
EUH066	Xn;R65.
STOT SE 3 - H336	N;R51/53.
Asp. Tox. 1 - H304	R66,R67.
Aquatic Chronic 2 - H411	

POLYOLEFIN ALKYL PHENOL ALKYL AMINE **1-5%**

CAS-No.: **EC No.:**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 - H315	Xi;R38.

1,2,4-TRIMETHYLBENZENE **1-5%**

CAS-No.: 95-63-6 **EC No.: 202-436-9**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Acute Tox. 4 - H332	Xn;R20
Skin Irrit. 2 - H315	Xi;R36/37/38
Eye Irrit. 2 - H319	N;R51/53
STOT SE 3 - H335	
Aquatic Chronic 2 - H411	

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) **1-5%**

CAS-No.: 64742-95-6 **EC No.: 265-199-0**

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	Xn;R65.
EUH066	Xi;R37.
STOT SE 3 - H335, H336	N;R51/53.
Asp. Tox. 1 - H304	R10,R66,R67.
Aquatic Chronic 2 - H411	

NAPHTHALENE		< 1%
CAS-No.: 91-20-3	EC No.: 202-049-5	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 4 - H302	Carc. Cat. 3;R40
Carc. 2 - H351	Xn;R22
Aquatic Acute 1 - H400	N;R50/53
Aquatic Chronic 1 - H410	

MESITYLENE		< 1%
CAS-No.: 108-67-8	EC No.: 203-604-4	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
STOT SE 3 - H335	Xi;R37
Aquatic Chronic 2 - H411	N;R51/53

PROPYLBENZENE		< 1%
CAS-No.: 103-65-1	EC No.: 203-132-9	

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
STOT SE 3 - H335	Xn;R65
Asp. Tox. 1 - H304	Xi;R37
Aquatic Chronic 2 - H411	N;R51/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Ingestion

Never give liquid to an unconscious person. Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately!

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

Inhalation

Vapour may irritate respiratory system or lungs.

Ingestion

May cause discomfort if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritating and may cause redness and pain.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

Solvent vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid water in straight hose stream; will scatter and spread fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Ventilate well. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. NOT for personal cleansing. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,2,4-TRIMETHYLBENZENE	WEL	25 ppm	125 mg/m3			
KEROSENE	SUP		1000 mg/m3			
MESITYLENE	WEL	25 ppm	125 mg/m3			
NAPHTHALENE	WEL	10 ppm	53 mg/m3	15 ppm	80 mg/m3	

WEL = Workplace Exposure Limit.

Ingredient Comments

SUP = Supplier's recommendation.

MESITYLENE (CAS: 108-67-8)

DNEL

Worker	Inhalation.	Short Term	Systemic Effects	100 mg/m3
Worker	Inhalation.	Short Term	Local Effects	100 mg/m3
Worker	Dermal	Long Term	Systemic Effects	16171 mg/kg/day
Worker	Inhalation.	Long Term	Systemic Effects	100 mg/m3
Worker	Inhalation.	Long Term	Local Effects	100 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	29.4 mg/m3
Consumer	Inhalation.	Short Term	Local Effects	29.4 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	9512 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	29.4 mg/m3
Consumer	Oral	Long Term	Systemic Effects	15 mg/kg/day
Consumer	Inhalation.	Long Term	Local Effects	29.4 mg/m3

PNEC

Freshwater	0.101	mg/l
Marinewater	0.101	mg/l
Intermittent release	0.101	mg/l
STP	2.02	mg/l
Sediment (Freshwater)	7.86	mg/kg
Sediment (Marinewater)	7.86	mg/kg
Soil	1.34	mg/kg

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

DNEL

Worker	Inhalation.	Short Term	Systemic Effects	100 mg/m3
Worker	Inhalation.	Short Term	Local Effects	100 mg/m3
Worker	Dermal	Long Term	Systemic Effects	16171 mg/kg/day
Worker	Inhalation.	Long Term	Systemic Effects	100 mg/m3
Worker	Inhalation.	Long Term	Local Effects	100 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	29.4 mg/m3
Consumer	Inhalation.	Short Term	Local Effects	29.4 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	9512 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	29.4 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	9512 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	29.4 mg/m3
Consumer	Oral	Long Term	Systemic Effects	15 mg/kg/day
Consumer	Inhalation.	Long Term	Local Effects	29.4 mg/m3

PNEC

Freshwater	0.12	mg/l
Marinewater	0.12	mg/l
Intermittent release	0.12	mg/l
STP	2.41	mg/l
Sediment (Freshwater)	13.56	mg/kg
Sediment (Marinewater)	13.56	mg/kg
Soil	2.34	mg/kg

NAPHTHALENE (CAS: 91-20-3)

DNEL

Consumer	Dermal	Long Term	Systemic Effects	3.57 mg/kg/day
Worker	Inhalation.	Long Term	Systemic Effects	25 mg/m3
Worker	Inhalation.	Long Term	Local Effects	25 mg/m3

PNEC

Freshwater	0.0024	mg/l
Marinewater	0.0024	mg/l
Intermittent release	0.02	mg/l
STP	2.9	mg/l
Sediment (Freshwater)	0.0672	mg/kg
Sediment (Marinewater)	0.0672	mg/kg
Soil	0.0533	mg/kg

8.2. Exposure controls

Protective equipment

Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Hygiene measures

Wash promptly if skin becomes contaminated. DO NOT SMOKE IN WORK AREA! When using do not eat, drink or smoke. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Light (or pale). Yellow.
Odour	Hydrocarbon.
Solubility	Insoluble in water

Melting point (°C)

Data lacking.

Relative density	0.8232

Vapour density (air=1)

Data lacking.

Vapour pressure

Data lacking.

Evaporation rate

Data lacking.

Evaporation Factor

Data lacking.

pH-Value, Conc. Solution

Data lacking.

Viscosity

Not determined.

Solubility Value (G/100G H2O@20°C)

Data lacking.

Decomposition temperature (°C)

Data lacking.

Odour Threshold, Lower

Data lacking.

Flash point (°C)	70.5 °C

Auto Ignition Temperature (°C)

Data lacking.

Explosive properties

Data lacking.

Oxidising properties

Not known.

9.2. Other information

Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reaction with: Acids. Strong oxidising substances.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Based on available data the classification criteria are not met.

Skin Corrosion/Irritation:

Based on available data the classification criteria are not met.

Serious eye damage/irritation:

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

Carcinogenicity:

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard:

Harmful: may cause lung damage if swallowed.

Toxicological information on ingredients.

PROPYLBENZENE (CAS: 103-65-1)

Acute toxicity:

Acute Toxicity (Oral LD50)

6040 mg/kg Rat

Miscellaneous information sources.

Acute Toxicity (Inhalation LC50)

65000 ppm (vapour) Rat 2 hours

Miscellaneous information sources.

Specific target organ toxicity - single exposure:

STOT SE 3 May cause respiratory irritation.

Aspiration hazard:

Asp. Tox. 1 May be fatal if swallowed and enters airways.

Acute toxicity:

Acute Toxicity (Oral LD50)

6000 mg/kg Rat

REACH dossier information Read across data.

Acute Toxicity (Dermal LD50)

> 4 mL/kg Rat

REACH dossier information Read across data.

Acute Toxicity (Inhalation LC50)

10200 mg/m³ (vapour) Rat 4 hours

REACH dossier information Read across data.

Skin Corrosion/Irritation:

Dose

0.5 mL 4 hr Rabbit

Erythema\eschar score

Well defined erythema (2).

REACH dossier information

Irritating.

Serious eye damage/irritation:

Not Irritating. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information Read across data.

Not Sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Multigeneration study: NOAEC 500 ppm Inhalation. Rat F1

REACH dossier information Read across data.

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

Developmental toxicity: NOAEC 1470 mg/m3 Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 600 mg/kg Oral Rat

REACH dossier information

Not classified as a specific target organ toxicant after repeated exposure.

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

Acute toxicity:

Acute Toxicity (Oral LD50)

6000 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

4 mL/kg Rat

REACH dossier information Read across data.

Acute Toxicity (Inhalation LC50)

10200 mg/m³ (vapour) Rat 4 hours

REACH dossier information Read across data.

Skin Corrosion/Irritation:

Dose

0.5 mL 4 hr Rabbit

Erythema\eschar score

Well defined erythema (2).

REACH dossier information Read across data.

Irritating.

Serious eye damage/irritation:

Not Irritating. Read across data. REACH dossier information Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information Read across data.

Not Sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Multigeneration study: NOAEC 500 ppm Inhalation. Rat F1

REACH dossier information Read across data.

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

Developmental toxicity: NOAEC 1470 mg/m3 Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 600 mg/kg Oral Rat

REACH dossier information Read across data.

Not classified as a specific target organ toxicant after repeated exposure.

NAPHTHALENE (CAS: 91-20-3)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2500 mg/kg Rat

REACH dossier information

Acute Toxicity (Inhalation LC50)

> 0.4 mg/l (vapours) Rat 4 hours

REACH dossier information

Skin Corrosion/Irritation:

Dose

0.5 g 24 hr Rabbit

Primary dermal irritation index (PDI)

1.75

Erythema\eschar score

Very slight erythema -barely perceptible (1).

Oedema score

Very slight oedema -barely perceptible (1).

REACH dossier information

Not irritating. Based on available data the classification criteria are not met.

Serious eye damage/irritation:

Not Irritating. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information

Not Sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Genome mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

Inhalation. Rat

REACH dossier information

Limited evidence of a carcinogenic effect.

IARC Carcinogenicity

IARC Group 2B Possibly carcinogenic to humans.

Reproductive Toxicity:

Reproductive Toxicity - Development

Developmental toxicity: NOAEC 150 mg/kg Oral Rat

REACH dossier information

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 133 mg/kg Oral Mouse

REACH dossier information

Not classified as a specific target organ toxicant after repeated exposure.

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

> 5.28 mg/l (vapours) Rat 4 hours

REACH dossier information

Skin Corrosion/Irritation:

Dose

0.5 mL 24 hr Rabbit

Erythema\eschar score

Moderate to severe erythema (3).

Oedema score

Slight oedema - edges of area well defined by definite raising (2).

REACH dossier information

Irritating.

Serious eye damage/irritation:

Not Irritating.

Respiratory or skin sensitisation:

Skin sensitisation

Buehler test: Guinea Pig

REACH dossier information

Not Sensitising.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

LOAEL 250 mg/kg Dermal Mouse

REACH dossier information

No evidence of carcinogenicity in animal studies

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Fertility: NOAEL 750 mg/kg Oral Rat P

REACH dossier information

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

Maternal toxicity: NOAEC >= 364 ppm Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 750 mg/kg Oral Rat

REACH dossier information

Not classified as a specific target organ toxicant after repeated exposure.

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

> 5.28 mg/l (vapours) Rat 4 hours

REACH dossier information

Skin Corrosion/Irritation:

Dose

0.5 mL 24 hr Rabbit

Erythema\eschar score

Moderate to severe erythema (3).

Oedema score

Slight oedema - edges of area well defined by definite raising (2).

REACH dossier information

Irritating.

Serious eye damage/irritation:

Not Irritating.

Respiratory or skin sensitisation:

Skin sensitisation

Buehler test: Guinea Pig

REACH dossier information

Not Sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

LOAEL 250 mg/kg/day Dermal Mouse

REACH dossier information

No evidence of carcinogenicity in animal studies

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Fertility: NOAEL 750 mg/kg/day Oral Rat P

REACH dossier information

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

Maternal toxicity: NOAEC >= 364 ppm Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 750 mg/l/6hr/day Oral Rat

REACH dossier information

Aspiration hazard:

Viscosity

Kinematic viscosity <= 20.5 mm2/s.

REACH dossier information

Harmful: may cause lung damage if swallowed.

POLYOLEFIN ALKYL PHENOL ALKYL AMINE

Acute toxicity:

Irritating to eyes and skin.

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

REACH dossier information

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

REACH dossier information

Acute Toxicity (Inhalation LC50)

> 5610 mg/m³ (vapour) Rat 4 hours

REACH dossier information

Skin Corrosion/Irritation:

Dose

0.5 mL 4 hr Rabbit

Erythema\eschar score

Well defined erythema (2).

Oedema score

Slight oedema - edges of area well defined by definite raising (2).

REACH dossier information

Irritating.

Serious eye damage/irritation:

Not Irritating. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Skin sensitisation

Buehler test: Guinea Pig

REACH dossier information

Not Sensitising. Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

NOAEL 0.05 mL Dermal Mouse

REACH dossier information

This substance has no evidence of carcinogenic properties.

IARC Carcinogenicity

Not listed.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Screening: NOAEL 24700 mg/m3 Inhalation. Rat F1

REACH dossier information

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

Maternal toxicity: NOAEL 23900 mg/m3 Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Fish Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecological information on ingredients.

PROPYLBENZENE (CAS: 103-65-1)

Acute Fish Toxicity

Toxic to aquatic organisms.

Acute Toxicity - Fish

LC50 96 hours 1.55 mg/l Onchorhynchus mykiss (Rainbow trout)
MIscellaneous information sources.

Acute Toxicity - Aquatic Invertebrates

EC50 24 hours 2 mg/l Daphnia magna
MIscellaneous information sources.

MESITYLENE (CAS: 108-67-8)

Acute Toxicity - Fish

LC50 96 hours 12.52 mg/l Carassius auratus (Goldfish)
REACH dossier information

Acute Toxicity - Aquatic Invertebrates

LC50 48 hours 6 mg/l Daphnia magna
REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 48 hours 25 mg/l Desmodesmus subspicatus
REACH dossier information

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days 2 mg/l Daphnia magna

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

Acute Toxicity - Fish

LC50 96 hours 7.72 mg/l Pimephales promelas (Fat-head Minnow)
REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 3.6 mg/l Daphnia magna
REACH dossier information

Acute Toxicity - Aquatic Plants

EC50 96 hours 2.356 mg/l Freshwater algae
REACH dossier information Estimated Value

NAPHTHALENE (CAS: 91-20-3)

Acute Toxicity - Fish

LC50 96 hours 6.08 mg/l Pimephales promelas (Fat-head Minnow)
REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 2.16 mg/l Daphnia magna
REACH dossier information

Acute Toxicity - Microorganisms

IC50 24 hours 29 mg/l Nitrosomonas sp.
REACH dossier information

KEROSENE (CAS: 64742-47-8)

Acute Toxicity - Fish

LL50 96 hours 2 - 5 mg/l Onchorhynchus mykiss (Rainbow trout)
REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EL50 48 hours 1.4 mg/l Daphnia magna
REACH dossier information

Acute Toxicity - Aquatic Plants

EL50 72 hours 1 - 3 mg/l Pseudokirchnerella subcapitata
REACH dossier information

Chronic Toxicity - Aquatic Invertebrates

EL50 21 days 0.89 mg/l Daphnia magna
REACH dossier information

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

Acute Toxicity - Fish

LL50 96 hours 2 - 5 mg/l Onchorhynchus mykiss (Rainbow trout)
REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EL50 48 hours 1.4 mg/l Daphnia magna
REACH dossier information

Acute Toxicity - Aquatic Plants

EL50 72 hours 1 - 3 mg/l Pseudokirchnerella subcapitata
REACH dossier information

Acute Toxicity - Microorganisms

NOEL 72 hours 1.641 mg/l Tetrahymena pyriformis
Estimated Value REACH dossier information

Chronic Toxicity - Fish Early life Stage

NOEL 28 days 0.098 mg/l Onchorhynchus mykiss (Rainbow trout)
REACH dossier information Estimated Value

Chronic Toxicity - Aquatic Invertebrates

EL50 21 days 0.89 mg/l Daphnia magna
NOEL 21 days 0.48 mg/l Daphnia magna
REACH dossier information

POLYOLEFIN ALKYL PHENOL ALKYL AMINE

Acute Fish Toxicity

Not considered toxic to fish.

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

Acute Toxicity - Fish

LL50 96 hours 8.2 mg/l Onchorhynchus mykiss (Rainbow trout)
REACH dossier information

Acute Toxicity - Aquatic Invertebrates

EL50 48 hours 4.5 mg/l Daphnia magna
REACH dossier information

Acute Toxicity - Aquatic Plants

EL50 72 hours 3.1 mg/l Pseudokirchnerella subcapitata
REACH dossier information

Acute Toxicity - Microorganisms

EC50 40 hours 15.41 mg/l Tetrahymena pyriformis
REACH dossier information

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

Ecological information on ingredients.

PROPYLBENZENE (CAS: 103-65-1)

Degradability

May cause long-term adverse effects in the aquatic environment.

MESITYLENE (CAS: 108-67-8)

Biodegradation

Water Degradation (50%) 4.4 days
REACH dossier information Estimated Value
The substance is readily biodegradable.

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

Degradability

There are no data on the degradability of this product.

NAPHTHALENE (CAS: 91-20-3)

Biodegradation

Soil Degradation (90%) 10 days
Water Degradation (99.9%) 15.2±8.4 days
REACH dossier information
The substance is readily biodegradable.

KEROSENE (CAS: 64742-47-8)

Degradability

There are no data on the degradability of this product.

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

Degradability

No data available.

POLYOLEFIN ALKYL PHENOL ALKYL AMINE

Degradability

There are no data on the degradability of this product.

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients.

PROPYLBENZENE (CAS: 103-65-1)

Bioaccumulative potential

No data available on bioaccumulation.

MESITYLENE (CAS: 108-67-8)

Bioaccumulation factor

BCF 161 Pimephales promelas (Fat-head Minnow)
REACH dossier information Estimated Value

Partition coefficient

log Pow 3.42
REACH dossier information

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

Bioaccumulation factor

BCF 243 Pimephales promelas (Fat-head Minnow)
REACH dossier information Estimated Value

Partition coefficient

log Pow 3.63
REACH dossier information

NAPHTHALENE (CAS: 91-20-3)

Bioaccumulative potential

Will not bio-accumulate.

Bioaccumulation factor

BCF 36.5 - 168
REACH dossier information

Partition coefficient

log Pow 3.4 @ 25 °C
REACH dossier information

KEROSENE (CAS: 64742-47-8)

Bioaccumulative potential

No data available on bioaccumulation.

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

Bioaccumulative potential

No data available on bioaccumulation.

POLYOLEFIN ALKYL PHENOL ALKYL AMINE

Bioaccumulative potential

No data available on bioaccumulation.

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

Bioaccumulation factor

BCF 10 - 2500
REACH dossier information Estimated Value

12.4. Mobility in soil

Mobility:

No data available.

Ecological information on ingredients.

PROPYLBENZENE (CAS: 103-65-1)

Mobility:

No information available.

MESITYLENE (CAS: 108-67-8)

Adsorption/Desorption Coefficient

Soil log Koc 2.87

Estimated Value REACH dossier information

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

Adsorption/Desorption Coefficient

Soil log Koc 3.04

REACH dossier information Estimated Value

NAPHTHALENE (CAS: 91-20-3)

Adsorption/Desorption Coefficient

Soil Koc 664 @ 10 °C

REACH dossier information

KEROSENE (CAS: 64742-47-8)

Mobility:

No data available.

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

Mobility:

The product is insoluble in water.

POLYOLEFIN ALKYL PHENOL ALKYL AMINE

Mobility:

No information available.

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

Adsorption/Desorption Coefficient

Soil log Koc 1.783 - 2.36

REACH dossier information Estimated Value

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Water hazard classification

WGK 2

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Modification to substance classification due to new information from raw material supplier. No change to product classification.

Revision Date	02-2013
Revision	7
Supersedes date	11-2012

Risk Phrases In Full

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R66	Repeated exposure may cause skin dryness or cracking.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

EUH066	Repeated exposure may cause skin dryness or cracking.
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.
H412	Harmful to aquatic life with long lasting effects.