SAFETY DATA SHEET

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

1.1. Product identifier

Trade name
Octane Booster
Product no.
-
REACH registration number
Not applicable

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

Relevant identified uses of the substance or mixture
Octane booster for motor vehicles
Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
Basta Active Car Care A/S
Mesterlodden 1
DK-2820 Gentofte
Tlf: +45 45 881 882
Fax: +45 45 873 874
www.bastacarcare.dk
Contact person
Ole Dissing
E-mail
info@bastacarcare.dk
SDS date
2017-05-17
SDS Version
1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 “First aid measures”.

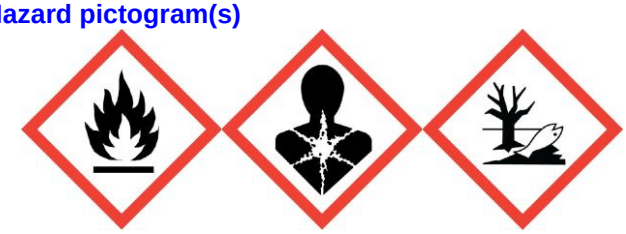
SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226
Asp. Tox. 1; H304
Aquatic Chronic 2; H411
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word
Danger

Hazard statement(s)

Flammable liquid and vapour. (H226)
May be fatal if swallowed and enters airways. (H304)
Toxic to aquatic life with long lasting effects. (H411)

Safety statement(s)

General	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
Prevention	Avoid release to the environment. (P273).
Response	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310).
Storage	Store locked up. (P405).
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Distillates (petroleum), hydrotreated light, solventnaphtha (råolie), tung aromatisk, ferrocen

2.3. Other hazards

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

Additional labelling

Not applicable

Additional warnings

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

VOC

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	Distillates (petroleum), hydrotreated light
IDENTIFICATION NOS.:	CAS-no: 64742-47-8 EC-no: 265-149-8 Index-no: 649-422-00-2
CONTENT:	80-95%
CLP CLASSIFICATION:	Asp. Tox. 1, Aquatic Chronic 2 H304, H411

NAME:	solventnaphtha (råolie), tung aromatisk
IDENTIFICATION NOS.:	CAS-no: 64742-94-5 EC-no: 265-198-5 Index-no: 649-424-00-3
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Asp. Tox. 1 H304

NAME:	naphthalen, kemisk rent
IDENTIFICATION NOS.:	CAS-no: 91-20-3 EC-no: 202-049-5 Index-no: 601-052-00-2
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	Acute tox. 4, Carc. 2, Aquatic Acute 1, Aquatic Chronic 1 H302, H351, H400, H410
NOTE:	L

NAME:	ferrocen
IDENTIFICATION NOS.:	CAS-no: 102-54-5 EC-no: 203-039-3
CONTENT:	0.25 - <1%
CLP CLASSIFICATION:	Flam. Sol. 1, Acute Tox. 4, Asp. Tox. 1 H228, H302, H304

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
L = European occupational exposure limit.

Other information

ATEmix(oral) > 2000
N chronic (CAT 2) Sum = Sum(Ci/(M(chronic)i*25)*0.1*10^CATi) = 3,199712 - 4,799568
N acute (CAT 1) Sum = Sum(Ci/M(acute)i*25) = 0,031968 - 0,047952

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Do not induce vomiting! If vomiting occurs, keep head facing down to prevent vomit entering the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should be kept under medical attention for a minimum of 48 hours.

Burns

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Nothing special

5.3. Advice for firefighters

No specific requirements.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on “Disposal considerations” in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.
Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Storage temperature

No data available.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

DNEL / PNEC

DNEL (Distillates (petroleum), hydrotreated light): 3,7 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers
DNEL (Distillates (petroleum), hydrotreated light): 25 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers
DNEL (Distillates (petroleum), hydrotreated light): 29 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population
DNEL (Distillates (petroleum), hydrotreated light): 29 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population
DNEL (Distillates (petroleum), hydrotreated light): 15 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population
DNEL (solventnaphtha (råolie), tung aromatisk): 3,67 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers
DNEL (solventnaphtha (råolie), tung aromatisk): 25 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers
DNEL (solventnaphtha (råolie), tung aromatisk): 25 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population
DNEL (solventnaphtha (råolie), tung aromatisk): 29 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population
DNEL (solventnaphtha (råolie), tung aromatisk): 15 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population
DNEL (naphthalen, kemisk rent): 3,57 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers
DNEL (naphthalen, kemisk rent): 25 mg/m3

Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers
DNEL (naphthalen, kemisk rent): 25 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population
DNEL (naphthalen, kemisk rent): 29 mg/m3
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population
DNEL (naphthalen, kemisk rent): 15 mg/kg
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: A. Class 1 (low capacity). Brown

Skin protection

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

Hand protection

Recommended: Natural rubber (latex)

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Brown
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	2 mm2/sek
Density (g/cm³)	0,83-0,89
Phase changes	
Melting point (°C)	-9
Boiling point (°C)	>300
Vapour pressure (40°C)	0,5 millibar
Decomposition temperature (°C)	No data available.

Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	>55
Ignition (°C)	No data available.
Auto flammability (°C)	225
Explosion limits (% v/v)	0,5 - 5,5 v/v%
Explosive properties	No data available.

Solubility

Solubility in water	Insoluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)	No data available.
Dampdensitet	4,6 (luft=1,0)

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section “Handling and storage”.

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Avoid static electricity. Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
ferrocen	Rat	LD50	Oral	1320 mg/kgbw
naphthalen, kemisk rent	Rat	LD50	Dermal	16.000 mg/kgbw
naphthalen, kemisk rent	Rat	LC50	Inhalation	0,4 mg/l air
naphthalen, kemisk rent	Rat	LD50	Oral	> 2000 mg/kgbw
solventnaphtha (råolie), tung ...	Rabbit	LD50	Dermal	> 2000 mg/kgbw
solventnaphtha (råolie), tung ...	Rat	LC50	Inhalation	> 6,3 mg/l air
solventnaphtha (råolie), tung ...	Rat	LD50	Oral	>5000 mg/kgbw
Distillates (petroleum), hydro...	Rabbit	LD50	Dermal	>2.000 mg/kgbw
Distillates (petroleum), hydro...	Rat	LC50	Inhalation	> 5.28 mg/L air
Distillates (petroleum), hydro...	Rat	LD50	Oral	>5.000 mg/kgbw

Skin corrosion/irritation

Data on substance: Distillates (petroleum), hydrotreated light
Test: OECD Guideline 404
Irritation Parameter: erythema score
Organism: Rabbit
Duration of Exposure: 72 h
Observation Period: 24 h
Reversability: not reversible
Result: 0,73

Serious eye damage/irritation

Data on substance: Distillates (petroleum), hydrotreated light
Test: no guideline followed
Irritation Parameter: cornea score
Organism: Rabbit
Duration of Exposure: 72 h

Observation Period: 72 h
Reversability: reversible
Result: 80

Respiratory or skin sensitisation

No data available. Data on substance: Distillates (petroleum), hydrotreated light
Test: OECD Guideline 406
Irritation Parameter: erythema score
Organism: Guinea Pig
Duration of Exposure: 48 h
Observation Period: 48 h
Reversability: reversible
Result: Not sensitising

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

May be fatal if swallowed and enters airways.

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
naphthalen, kemisk rent	Daphnia	EC50	48h	>7,7 mg/l
naphthalen, kemisk rent	Leuciscus idus	EC50	48h	< 2.350 mg/l
solventnaphtha (råolie), tung ...	Daphnia	EC50	48h	> 5 mg/l
solventnaphtha (råolie), tung ...	Leuciscus idus	EC50	96h	< 10 mg/l
Distillates (petroleum), hydro...	Daphnia	EC50	96 timer	>1000 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result

No data available.

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF

No data available.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste
EWC code
-

Specific labelling
-

Contaminated packing
Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4
This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

IMDG

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

IATA/ICAO

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

14.5. Environmental hazards
-

14.6. Special precautions for user
-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application
People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education
-

Additional information

Sources
Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
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 (CLP).
EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H228 - Flammable solid.
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
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.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture in regard of physical hazards has been based on experimental data.
The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

clan/chymeia

Date of last essential change (First cipher in SDS version)

-

Date of last minor change (Last cipher in SDS version)

-