Safety Data Sheet

QUALITY MANAGEMENT SYSTEM CERTIFIED ISO 9001

Date of print: 08/10/2019

Safety Data Sheet REG. 830/2015 dated 26/6/2019, version 5

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

1.1. Product identifier

Mixture identification:

Trade name: MULTIFIX

Trade code: series 16

Chemical property: resins dissolved in organic solvents

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

Recommended use:

Adhesive for industrial/professional use only

Not suitable for domestic use

1.3. Details of the supplier of the safety data sheet

Distributor – Responsible for placing on the market - Importer:

KENDA FARBEN s.r.l.

Via della Resistenza,1/2

27032 - FERRERA ERBOGNONE – PV

TEL. 0382-998902

Manufacturer:

Kenda Farben S.p.A. - Via Tramia n. 72 - 27026 Garlasco, Pavia

Kenda Farben S.p.A. - Phone 0039-0382-820201

Competent person responsible for the safety data sheet:

info@kendafarben.com

1.4. Emergency telephone number

Unique European emergency number (H24): 112

Kenda Farben S.p.A. - Phone 0039-0382-820201

(Monday to Friday from 08.00 to 12.00 and from 14.00 to 17.30 - italian/english – Technical support)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Danger, Flam. Liq. 2, Highly flammable liquid and vapour.

Warning, Skin Irrit. 2, Causes skin irritation.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, STOT SE 3, May cause drowsiness or dizziness.

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Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P273 Avoid release to the environment.
P370+P378 In case of fire: use chemical powder, foam or atomized water for extinction.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
ethyl acetate
acetone; propan-2-one; propanone
Naphtha (petroleum), hydrotreated light - Hydrocarbons C6, isoalkanes, <5% n-hexane

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

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Qty	Name	Ident. Number	Classification
>= 25% - < 30%	Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	CAS: 64742-49-0* EC: 927-510-4 REACH No.: 01-2119475515-33	2.6/2 Flam. Liq. 2 H225 3.2/2 Skin Irrit. 2 H315 3.10/1 Asp. Tox. 1 H304 3.8/3 STOT SE 3 H336 4.1/C2 Aquatic Chronic 2 H411
>= 20% - < 25%	ethyl acetate	Index number: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4 REACH No.: 01-2119475103-46	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336 EUH066
>= 20% - < 25%	acetone; propan-2-one; propanone	Index number: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 REACH No.: 01-2119471330-49	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336 EUH066
>= 10% - < 12.5%	Naphtha (petroleum), hydrotreated light - Hydrocarbons C6, isoalkanes, <5% n-hexane	CAS: 64742-49-0* EC: 931-254-9 REACH No.: 01-2119484651-34	2.6/2 Flam. Liq. 2 H225 3.2/2 Skin Irrit. 2 H315 3.10/1 Asp. Tox. 1 H304 3.8/3 STOT SE 3 H336 4.1/C2 Aquatic Chronic 2 H411

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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4.2. Most important symptoms and effects, both acute and delayed
Drowsiness
Dizziness
4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
CO2 or Dry chemical fire extinguisher.
Extinguishing media which must not be used for safety reasons:
None in particular.
5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
5.3. Advice for firefighters
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.
6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
7.2. Conditions for safe storage, including any incompatibilities
Always keep in a well ventilated place.
Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

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Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0*

EU - TWA(8h): 2085 mg/m3, 500 ppm
ACGIH - TWA(8h): 400 ppm - STEL: 500 ppm - Notes: CNS impair, URT irr
AGS - TWA(8h): 700 mg/m3 - STEL: 1400 mg/m3 - Notes: GERMANY

ethyl acetate - CAS: 141-78-6

ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr
EU - TWA(8h): 734 mg/m3, 200 ppm - STEL: 1468 mg/m3, 400 ppm
MAK - TWA(8h): 1050 mg/m3, 300 ppm - STEL: 2100 mg/m3, 600 ppm - Notes: AUSTRIA
VLEP - TWA(8h): 1461 mg/m3, 400 ppm - Notes: BELGIUM
VLEP - TWA(8h): 540 mg/m3, 150 ppm - STEL: 1080 mg/m3, 300 ppm - Notes: DENMARK
VLEP - TWA(8h): 730 mg/m3, 200 ppm - STEL(15 min): 1470 mg/m3, 400 ppm - Notes: FINLAND
VLEP - TWA(8h): 1400 mg/m3, 400 ppm - Notes: FRANCE
AGS - TWA(8h): 730 mg/m3, 200 ppm - STEL(15 min): 1460 mg/m3, 400 ppm - Notes: GERMANY
DFG - TWA(8h): 750 mg/m3, 200 ppm - STEL(15 min): 1500 mg/m3, 400 ppm - Notes: GERMANY
VLEP - TWA(8h): 1400 mg/m3 - STEL: 1400 mg/m3 - Notes: HUNGARY
NDS - TWA(8h): 200 mg/m3 - STEL: 600 mg/m3 - Notes: POLAND
TLV - TWA(8h): 400 mg/m3, 111 ppm - STEL(15 min): 500 mg/m3, 139 ppm - Notes: ROMANIA
VLA - TWA(8h): 1460 mg/m3, 400 ppm - Notes: SPAIN
VLEP - TWA(8h): 500 mg/m3, 150 ppm - STEL(15 min): 1100 mg/m3, 300 ppm - Notes: SWEDEN

acetone; propan-2-one; propanone - CAS: 67-64-1

EU - TWA(8h): 1210 mg/m3, 500 ppm
ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
MAK - TWA(8h): 1200 mg/m3, 500 ppm - STEL: 4800 mg/m3, 2000 ppm - Notes: AUSTRIA
VLEP - TWA(8h): 1210 mg/m3, 500 ppm - STEL: 2420 mg/m3, 1000 ppm - Notes: BELGIUM
VLEP - TWA(8h): 600 mg/m3, 250 ppm - STEL: 1200 mg/m3, 500 ppm - Notes: DENMARK

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VLEP - TWA(8h): 1200 mg/m3, 500 ppm - STEL(15 min): 1500 mg/m3, 630 ppm - Notes: FINLAND
VLEP - TWA(8h): 1210 mg/m3, 500 ppm - STEL: 2420 mg/m3, 1000 ppm - Notes: FRANCE
AGS - TWA(8h): 1200 mg/m3, 500 ppm - STEL(15 min): 2400 mg/m3, 1000 ppm - Notes: GERMANY
DFG - TWA(8h): 1200 mg/m3, 500 ppm - STEL(15 min): 2400 mg/m3, 1000 ppm - Notes: GERMANY
VLEP - TWA(8h): 1210 mg/m3 - STEL: 2420 mg/m3 - Notes: HUNGARY
TLV - TWA(8h): 1210 mg/m3, 500 ppm - Notes: ITALY
NDS - TWA(8h): 600 mg/m3 - STEL: 1800 mg/m3 - Notes: POLAND
TLV - TWA(8h): 1210 mg/m3, 500 ppm - Notes: ROMANIA
VLA - TWA(8h): 1210 mg/m3, 500 ppm - Notes: SPAIN
VLEP - TWA(8h): 600 mg/m3, 250 ppm - STEL(15 min): 1200 mg/m3, 500 ppm - Notes: SWEDEN

Naphtha (petroleum), hydrotreated light - Hydrocarbons C6, isoalkanes, <5% n-hexane - CAS: 64742-49-0*

TLV TWA - 1200 mg/m3 - 353 ppm

DNEL Exposure Limit Values

Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0*

Worker Industry: 300 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 2085 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

ethyl acetate - CAS: 141-78-6

Worker Industry: 1468 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 1468 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 63 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

acetone; propan-2-one; propanone - CAS: 67-64-1

Worker Industry: 186 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 2420 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 1210 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Naphtha (petroleum), hydrotreated light - Hydrocarbons C6, isoalkanes, <5% n-hexane - CAS: 64742-49-0*

Worker Industry: 13964 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

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Worker Industry: 5306 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

ethyl acetate - CAS: 141-78-6

Target: Fresh Water - Value: 0.24 mg/l
Target: Marine water - Value: 0.024 mg/l
Target: Water - intermittent releases - Value: 1.65 mg/l
Target: Sewage treatment plant - Value: 650 mg/l
Target: Freshwater sediments - Value: 1.15 mg/kg
Target: Marine water sediments - Value: 0.115 mg/kg
Target: Soil (agricultural) - Value: 0.148 mg/kg

acetone; propan-2-one; propanone - CAS: 67-64-1

Target: Fresh Water - Value: 10.6 mg/l
Target: Marine water - Value: 1.06 mg/l
Target: Water - intermittent releases - Value: 21 mg/l
Target: Freshwater sediments - Value: 30.4 mg/l
Target: Marine water sediments - Value: 3.04 mg/l
Target: Soil (agricultural) - Value: 29.5 mg/kg
Target: Sewage treatment plant - Value: 100 mg/l

8.2. Exposure controls

Eye protection:

Safety goggles that conform to approved standards should be used when a risk assessment indicates the need to avoid exposure to splashes of liquids, sprays, gases or dusts.
We recommend that you consult the security officer in advance.
We suggest:
Eye glasses with side protection.

Protection for skin:

Personal protective equipment for the body must be chosen according to the risks expected for the task performed and approved by qualified personnel before their use for handling this product.
We recommend that you consult the security officer in advance.
We suggest:
Chemical protection clothing.

Protection for hands:

Chemical resistant and waterproofing gloves compliant with approved standards must always be used when chemicals are handled if the risk assessment indicates the need.
Considering the parameters specified by the glove manufacturer, check during use that the gloves still maintain their protective properties unaltered. It should be noted that the permeation time for any glove material may vary according to the glove manufacturer.
This product is a mixture, it is not possible to accurately estimate the permeation time of the gloves.
We recommend that you consult the security officer in advance.
We suggest:
Gloves complying with the EN 374 regulation.

Respiratory protection:

In workplaces with insufficient ventilation / aspiration, it is necessary to protect the respiratory tract:

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Depending on the hazard and potential for exposure, select a respirator that meets the appropriate standards and certification.
We recommend that you consult a security officer in advance.
We suggest:
Gas filtering device (DIN EN 141).
Full-face mask (DIN EN 136).
Half-face mask (DIN EN 140).

Thermal Hazards:

None

Environmental exposure controls:

Emissions from production processes, including those from ventilation equipment, should be monitored for compliance with environmental protection legislation.

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance:	pale straw yellow	--	--
Odour:	typic (mixture of solvents)	--	--
Odour threshold:	N.D.	--	--
pH:	N.D.	--	--
Melting point / freezing point:	N.D.	--	--
Initial boiling point and boiling range:	56 - 98 °C	--	--
Flash point:	lower than 23°C.	--	--
Evaporation rate:	N.D.	--	--
Solid/gas flammability:	N.D.	--	--
Upper/lower flammability or explosive limits:	N.D.	--	--
Vapour pressure:	N.D.	--	--
Vapour density:	N.D.	--	--
Relative density:	0,886 +/- 0,005 Kg/dm3	--	--
Solubility in water:	very scarce	--	--
Solubility in oil:	N.D.	--	--
Partition coefficient (n-octanol/water):	N.D.	--	--
Auto-ignition temperature:	N.D.	--	--
Decomposition temperature:	N.D.	--	--

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Viscosity:	> 20,5 mm2/s (40°C)	--	--
Explosive properties:	no explosive properties	--	--
Oxidizing properties:	no comburent properties	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.D.	--	--
Fat Solubility:	N.D.	--	--
Conductivity:	N.D.	--	--
Substance Groups relevant properties	N.D.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
Stable under normal conditions
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
a) acute toxicity

No data available for the product
b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
d) respiratory or skin sensitisation

No data available for the product
e) germ cell mutagenicity

No data available for the product
f) carcinogenicity

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No data available for the product

g) reproductive toxicity

No data available for the product

h) STOT-single exposure

The product is classified: STOT SE 3 H336

i) STOT-repeated exposure

No data available for the product

j) aspiration hazard

No data available for the product

Toxicological information of the main substances found in the product:

Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0*

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 23.3 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2920 mg/kg

ethyl acetate - CAS: 141-78-6

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 22.5 ml/l - Duration: 6h

Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg

Test: LD50 - Route: Oral - Species: Mouse = 4934 mg/kg

i) STOT-repeated exposure:

Test: NOAEC - Route: Oral - Species: Rat 900 mg/kg

Test: NOAEL - Route: Inhalation - Species: Rat 350 Ppm

acetone; propan-2-one; propanone - CAS: 67-64-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 20000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 50100 mg/m3 - Duration: 8h

Naphtha (petroleum), hydrotreated light - Hydrocarbons C6, isoalkanes, <5% n-hexane - CAS: 64742-49-0*

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 259354 mg/m3 - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 16750 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3350 mg/kg

i) STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat 2984 Ppm

Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0*

Information on toxicity:

* ACUTE TOXICITY *

- Inhalation - High vapour concentrations are irritant for the eyes and the respiratory tract, may cause headache and dizziness, are anesthetic and may have effects on the central nervous system.

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- Contact with the skin - Frequent and prolonged contact may remove the skin's natural greases and cause dry skin, favoring the onset of dermatitis.
- Contact with the eyes - No damage to the eye tissue though a slight irritation may be caused.
- Swallowing - Even small amounts of liquid introduced into the respiratory system during swallowing or vomiting may give rise to bronchopneumonia or pulmonary edema.

ethyl acetate - CAS: 141-78-6

Contact with eyes may cause irritation. Possible symptoms include: redness, oedema, pain and watering.
Inhalation of vapours causes irritation of the upper and lower respiratory tract with coughing and difficulty in breathing: at high concentrations, even pulmonary oedema.
Contact with skin causes irritation with erythema, oedema, dryness and chapping.
Swallowing, which is unlikely to occur, may give rise to abdominal pain with a burning feeling, nausea and vomiting.
The product is irritant.

acetone; propan-2-one; propanone - CAS: 67-64-1

* Target organs *
Skin, mucosa.
* Symptoms *
Acute intoxication through inhalation: irritation of the eyes, respiratory tract.
* Chronic intoxication *
Following repeated exposure: irritation to the eyes and respiratory tract.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
The product is classified: Aquatic Chronic 2 - H411

Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0*

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Daphnia = 3 mg/l - Duration h: 48
Endpoint: NOEC - Species: Algae = 10 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish > 13.4 mg/l - Duration h: 96

ethyl acetate - CAS: 141-78-6

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Algae = 5600 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 230 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 165 mg/l - Duration h: 48
b) Aquatic chronic toxicity:
Endpoint: EC50 - Species: Fish 9.65 mg/l
Endpoint: EC50 - Species: Daphnia 2.4 mg/l
Endpoint: EC50 - Species: Algae 100 mg/l
Endpoint: EC50 - Species: Bacteria 650 mg/l

acetone; propan-2-one; propanone - CAS: 67-64-1

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 5540 mg/l - Duration h: 96

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Endpoint: EC50 - Species: Daphnia = 8800 mg/l - Duration h: 48
Endpoint: LC50 - Species: Bacteria 61.15 g/l

b) Aquatic chronic toxicity:
Endpoint: EC50 - Species: Fish 6070 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 2.212 mg/l
Endpoint: EC50 - Species: Algae 7500 mg/l - Duration h: 168
Endpoint: EC50 - Species: Bacteria 1 g/l

Naphtha (petroleum), hydrotreated light - Hydrocarbons C6, isoalkanes, <5% n-hexane - CAS: 64742-49-0*

a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 18.27 mg/l
Endpoint: LC50 - Species: Daphnia 31.9 mg/l
Endpoint: EC50 - Species: Algae 13.6 mg/l

b) Aquatic chronic toxicity:
Endpoint: EC50 - Species: Fish 4.09 mg/l
Endpoint: EC50 - Species: Daphnia 7.14 mg/l
Endpoint: EC50 - Species: Algae 3.04 mg/l

12.2. Persistence and degradability
None
N.A.

12.3. Bioaccumulative potential
N.A.

12.4. Mobility in soil
N.A.

12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-Un number:	UN 1133
IATA-Un number:	UN 1133
IMDG-Un number:	UN 1133

14.2. UN proper shipping name
14.2 UN proper shipping name: ADHESIVES

14.3. Transport hazard class(es)

ADR-Class:	3
IATA-Class:	3
IMDG-Class:	3

14.4. Packing group

ADR-Packing group:	II

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IATA-Packing group: II
IMDG-Packing group: II

14.5. Environmental hazards
Marine pollutant: Yes

14.6. Special precautions for user
ADR-Tunnel Restriction Code: (D/E)
IMDG-EMS: F-E, S-D
ADR/RID: limited quantities: 5L

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
Restriction 3
Restriction 40
Restrictions related to the substances contained:
No restriction.

Volatile Organic compounds - VOCs = 78.80 %
Volatile Organic compounds - VOCs = 788.00 g/Kg
Volatile Organic compounds - VOCs = 693.44 g/l

Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: P5c, E2

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15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out (data provided by the manufacturer):

Acetone

Naphtha (petroleum), hydrotreated light - Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

SECTION 16: Other information

Text of phrases referred to under heading 3:

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H319 Causes serious eye irritation.
EUH066 Repeated exposure may cause skin dryness or cracking.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 4: First aid measures
SECTION 5: Firefighting measures
SECTION 6: Accidental release measures
SECTION 7: Handling and storage
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 15: Regulatory information
SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr.	Classification procedure

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Flam. Liq. 2, H225	Expert judgement
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date.
It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.

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TWA: Time-weighted average
WGK: German Water Hazard Class.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

* CAS No. 64742-49-0, CAS No. 64742-95-6, CAS No. 64742-48-9, are not classifiable carcinogenic or mutagenic in application Note P of EC Regulation No. 1272/2008 (CLP).

I CAS No. 64742-49-0, CAS No. 64742-95-6, CAS No. 64742-48-9, CAS No. 93924-36-8, CAS No. 1174921-73-3, CAS No. 1174522 -09-8 are officially declared on "Classification & Labeling Inventory" by the registrants of the substances at ECHA. Both the CAS, EC number and the name of the substances in question are awaiting the revision of the official European inventory.

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