# Safety Data Sheet
# H55 GT CLEAR HS

Safety Data Sheet dated 3/5/2016, version 1

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

1.1. Product identifier

Mixture identification:

Trade code and name: H55 GT CLEAR HS

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

2K acrylic clearcoat for autobody use.

Only for professional use.

1.3. Details of the supplier of the safety data sheet

Company:

Industria Chimica Reggiana I.C.R. Spa

Via Gasparini, 7 42124 REGGIO EMILIA Italia

Tel. +39 0522/517803 Fax +39 0522/514384

Competent person responsible for the safety data sheet:

sdsre@icrsprint.it

1.4. Emergency telephone number

Tel. +39 0522-517803

## SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Flam. Liq. 3, Flammable liquid and vapour.

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

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat - No smoking.

P260 Do not breathe vapours or spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280.D Wear protective gloves and clothing and eye protection.

P312 Call a doctor if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Special Provisions:

None

Contains

n-butyl acetate

Naphtha

Benzotriazol derivates: May produce an allergic reaction.

2-hydroxyethyl methacrylate: May produce an allergic reaction.

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate: May produce an allergic reaction.

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



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

| Qty | Name | Ident. Number | | Classification |
|---|---|---|---|---|
| >= 25% - < 30% | n-butyl acetate | Index number:<br>CAS:<br>EC:<br>REACH No.: | 607-025-00-1<br>123-86-4<br>204-658-1<br>01-219485493-29 | 2.6/3 Flam. Liq. 3 H226<br>3.8/3 STOT SE 3 H336<br>EUH066 |
| >= 7% - < 10% | Naphtha - hydrocarbons C9 aromatics | EC:<br>REACH No.: | 918-668-5<br>01-2119455851-35 | 2.6/3 Flam. Liq. 3 H226<br>3.8/3 STOT SE 3 H335<br>3.10/1 Asp. Tox. 1 H304<br>3.8/3 STOT SE 3 H336<br>4.1/C2 Aquatic Chronic 2 H411<br>EUH066<br>DECLP (CLP)* |
| >= 3% - < 5% | 4-methylpentan-2-one | Index number:<br>CAS:<br>EC:<br>REACH No.: | 606-004-00-4<br>108-10-1<br>203-550-1<br>01-2119473980-30 | 2.6/2 Flam. Liq. 2 H225<br>3.3/2 Eye Irrit. 2 H319<br>3.8/3 STOT SE 3 H335<br>3.1/4/Inhal Acute Tox. 4 H332<br>EUH066 |
| >= 3% - < 5% | 2-butoxyethyl acetate | Index number:<br>CAS:<br>EC:<br>REACH No.: | 607-038-00-2<br>112-07-2<br>203-933-3<br>01-2119475112-47 | 3.1/4/Dermal Acute Tox. 4 H312<br>3.1/4/Inhal Acute Tox. 4 H332 |
| >= 0.5% - < 1% | Benzotriazol derivates | Index number:<br>EC:<br>REACH No.: | 607-176-00-3<br>400-830-7<br>01-0000015075-76 | 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317<br>4.1/C2 Aquatic Chronic 2 H411 |
| >= 0.25% - < 0.5% | butanone | Index number:<br>CAS:<br>EC:<br>REACH No.: | 606-002-00-3<br>78-93-3<br>201-159-0<br>01-2119457290-43 | 2.6/2 Flam. Liq. 2 H225<br>3.3/2 Eye Irrit. 2 H319<br>3.8/3 STOT SE 3 H336<br>EUH066 |
| >= 0.25% - < 0.5% | 2-diethylaminoethanol | CAS:<br>EC:<br>REACH No.: | 100-37-8<br>202-845-2<br>01-2119488937-14 | 2.6/3 Flam. Liq. 3 H226<br>3.1/3/Dermal Acute Tox. 3 H311<br>3.1/3/Inhal Acute Tox. 3 H331<br>3.2/1B Skin Corr. 1B H314<br>3.1/4/Oral Acute Tox. 4 H302<br>3.8/3 STOT SE 3 H335 |
| >= 0.25% - < 0.5% | Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | CAS:<br>EC:<br>REACH No.: | 41556-26-7<br>255-437-1<br>01-2119491304-40 | 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317<br>4.1/A1 Aquatic Acute 1 H400<br>4.1/C1 Aquatic Chronic 1 H410 |
| >= 0.1% - < 0.25% | 2-hydroxyethyl methacrylate | Index number:<br>CAS:<br>EC:<br>REACH No.: | 607-124-00-X<br>868-77-9<br>212-782-2<br>01-2119490169-29 | 3.3/2 Eye Irrit. 2 H319<br>3.2/2 Skin Irrit. 2 H315<br>3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317 |

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.



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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 immediatley and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

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

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

See section 11 for known symptoms and effects.

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:
None

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:
Do not use water jets. Water may noty be effective fire fighting measure, however it can be used to cool closed containers close to flames as to avoid bursting and exploding.
None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

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.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible
absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

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, inhaltion 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.



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Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)
See Point 1.2.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

n-butyl acetate - CAS: 123-86-4
EU - LTE(8h): 713 mg/m3, 150 ppm - STE(): 200 ppm
ACGIH - LTE(8h): 713 mg/m3, 150 ppm - STE: 200 ppm - Notes: Eye and URT irr

Naphtha - hydrocarbons C9 aromatics
EU - LTE(8h): 100 mg/m3, 19 ppm

4-methylpentan-2-one - CAS: 108-10-1
Italy - LTE(8h): 83 mg/m3, 20 ppm - STE(): 208 mg/m3, 50 ppm
EU - LTE(8h): 83 mg/m3, 20 ppm - STE: 208 mg/m3, 50 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 20 ppm - STE: 75 ppm - Notes: A3, BEI - URT irr, dizziness, headache

2-butoxyethyl acetate - CAS: 112-07-2
EU - LTE(8h): 133 mg/m3, 20 ppm - STE: 333 mg/m3, 50 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 20 ppm - Notes: A3 - Hemolysis

butanone - CAS: 78-93-3
Italy - LTE(8h): 600 mg/m3, 200 ppm - STE: 900 mg/m3, 300 ppm
EU - LTE(8h): 600 mg/m3, 200 ppm - STE: 900 mg/m3, 300 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
ACGIH - LTE(8h): 200 ppm - STE: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair

2-diethylaminoethanol - CAS: 100-37-8
ACGIH - LTE(8h): 2 ppm - Notes: Skin - URT irr, CNS convul

DNEL Exposure Limit Values

n-butyl acetate - CAS: 123-86-4
Consumer: 102.34 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 960 mg/m³ - Consumer: 859.7 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 960 mg/m³ - Consumer: 859.7 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 480 mg/m³ - Consumer: 102.34 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 480 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Naphtha - hydrocarbons C9 aromatics
Worker Professional: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 100 mg/m³ - Consumer: 32 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

4-methylpentan-2-one - CAS: 108-10-1
Worker Professional: 83 mg/m³ - Consumer: 14.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 208 mg/m³ - Consumer: 115.2 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 83 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 208 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 11.8 mg/kg - Consumer: 4.2 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

2-butoxyethyl acetate - CAS: 112-07-2
Worker Professional: 133 mg/m³ - Consumer: 67 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 27 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects - Notes: bw/day
Consumer: 4.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/day
Consumer: 18 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects - Notes: bw/day
Worker Professional: 773 mg/m³ - Consumer: 499 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 333 mg/m³ - Consumer: 166 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 102 mg/kg - Consumer: 36 mg/kg - Exposure: Human Dermal - Frequency: Long Term,



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systemic effects - Notes: bw/day
butanone - CAS: 78-93-3
Worker Professional: 1161 mg/kg - Consumer: 412 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 600 mg/m³ - Consumer: 106 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 31 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values
n-butyl acetate - CAS: 123-86-4
Target: STP - Value: 35.6 mg/l
Target: Fresh Water - Value: 0.18 mg/l
Target: Marine water - Value: 0.01 mg/l
Target: Intermittent emissions - Value: 0.36 mg/l
Target: Freshwater sediments - Value: 0.98 mg/kg
Target: Marine water sediments - Value: 0.09 mg/kg
Target: Soil - Value: 0.09 mg/kg
2-butoxyethyl acetate - CAS: 112-07-2
Target: Purification plant - Value: 90 mg/l
Target: Fresh Water - Value: 0.304 mg/l
Target: Marine water - Value: 0.0304 mg/l
Target: Intermittent emissions - Value: 0.56 mg/l
Target: Freshwater sediments - Value: 2.03 mg/kg
Target: Marine water sediments - Value: 0.203 mg/kg
Target: Soil - Value: 0.68 mg/kg
Target: Oral - Value: 0.06 g/kg
butanone - CAS: 78-93-3
Target: Freshwater sediments - Value: 284.7 mg/kg
Target: Soil - Value: 22.5 mg/kg
Target: Oral - Value: 1000 mg/kg
Target: Fresh Water - Value: 55.8 mg/l
Target: Intermittent emissions - Value: 55.8 mg/l
Target: Purification plant - Value: 709 mg/l

8.2. Exposure controls

Eye protection:
Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:
Wear safety clothing that ensure full skin protection in accordance to EN 14605 Type 4 in case of spills or spray (e.g. Tyrek).
Please note: safety clothing must be changed immediately if it comes in contact with product.

Protection for hands:
Use protective gloves that provides comprehensive protection, EN374 Class 3 (B-F-I). Permeation time > 60 minutes; 0.4 mm thickness.

Respiratory protection:
Use adequate protective respiratory devices, using Filter “A” (Brown colour) for organic gas and vapors with boiling points over 65°C.

Thermal Hazards:
None

Environmental exposure controls:
Emissions from ventilation systems or from work processes must be check as to ensure compliance to environmental protection legistation. In some cases the addition of vapour scrubbers, filters or other system modification may be necessary in order to reduce emissions to acceptable levels.
None

Appropriate engineering controls:
None

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| **Properties** | **Value** | **Method:** | **Notes** |
|---|---|---|---|
| Appearance and colour: | Transparent colourless liquid | -- | -- |
| Odour: | Typical of solvent | -- | -- |
| Odour threshold: | N.D. | -- | -- |



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| | | | |
|---|---|---|---|
| pH: | N.A. | | |
| Melting point / freezing point: | - 84°C | -- | -- |
| Initial boiling point and boiling range: | 116°C | -- | -- |
| Flash point: | 27°C | -- | -- |
| Evaporation rate: | N.D. | -- | -- |
| Solid/gas flammability: | N.A. | -- | -- |
| Upper/lower flammability or explosive limits: | N.D. | -- | -- |
| Vapour pressure: | 20,9 hPa | -- | -- |
| Vapour density: | > 1 | -- | -- |
| Relative density: | 0,984 g/cm³ | -- | -- |
| Solubility in water: | Insoluble | -- | -- |
| Solubility in oil: | N.D. | -- | -- |
| Partition coefficient (n-octanol/ water): | | -- | -- |
| Auto-ignition temperature: | 448°C | -- | -- |
| Decomposition temperature: | N.D. | -- | -- |
| Viscosity: | > 20.5 mm2/s (40°C) | -- | -- |
| Explosive properties: | N.D. | -- | -- |
| Oxidizing properties: | N.D. | -- | -- |

9.2. Other information

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

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under recommended use and storage conditions (see point 7).

10.3. Possibility of hazardous reactions

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), and nitrides.
It may catch fire on contact with oxidising mineral acids, powerful oxidising agents, and powerful reducing agents.



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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
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:
n-butyl acetate - CAS: 123-86-4
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 6400 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 21.1 mg/l - Duration: 4h
Naphtha - hydrocarbons C9 aromatics
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m3
Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg
4-methylpentan-2-one - CAS: 108-10-1
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Mouse = 23.29 g/m3
Test: LD50 - Route: Oral - Species: Rat = 2080 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 16000 g/kg
2-butoxyethyl acetate - CAS: 112-07-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2400 mg/kg
Test: LD50 - Route: Oral - Species: Mouse = 3200 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 1580 mg/kg
Benzotriazol derivates - Index number: 607-176-00-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 5.8 mg/l
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: GUINEA PIG Positive
butanone - CAS: 78-93-3
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Mouse = 40 mg/l
Test: LD50 - Route: Oral - Species: Rat = 2737 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 13 g/kg
2-diethylaminoethanol - CAS: 100-37-8
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1320 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 4.6 mg/l - Duration: 4h
Test: LC50 - Route: Skin - Species: Mouse = 885 mg/kg
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate - CAS: 41556-26-7
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin Positive
2-hydroxyethyl methacrylate - CAS: 868-77-9
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5050 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg
Naphtha - hydrocarbons C9 aromatics -
Acute toxicity:
Inhalation: vapour concentrations exceeding recommended exposure levels are irritating to eyes and respiratory tract, and may cause headache, dizziness and other effects on the central nervous system.
Skin contact: Low toxicity index.
Frequent or prolonged contact may dry the skin, causing dermatitis.
Eye contact: may cause discomfort to eyes with slight irritation, but with no tissue damage.
Ingestion: even small amounts of liquid introduced into the respiratory system during ingestion may cause broncitis or lung damage. Low toxicity index.



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If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:
- Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48
- Endpoint: EC50 - Species: Algae = 648 mg/l - Duration h: 72
- Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96

Naphtha - hydrocarbons C9 aromatics

a) Aquatic acute toxicity:
- Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48
- Endpoint: EC50 - Species: Algae = 2.9 mg/l - Duration h: 72
- Endpoint: LC50 - Species: Fish = 9.2 mg/l
- Endpoint: EC50 - Species: Algae = 1 mg/l - Notes: NOEC

4-methylpentan-2-one - CAS: 108-10-1

a) Aquatic acute toxicity:
- Endpoint: EC50 - Species: Daphnia > 200 mg/l - Duration h: 48
- Endpoint: LC50 - Species: Fish > 179 mg/l - Duration h: 96
- Endpoint: NOEC - Species: Daphnia = 30 mg/l
- Endpoint: NOEC - Species: Algae > 146 mg/l

Benzotriazol derivates - Index number: 607-176-00-3

a) Aquatic acute toxicity:
- Endpoint: LC50 - Species: Daphnia = 4 mg/l - Duration h: 48

butanone - CAS: 78-93-3

a) Aquatic acute toxicity:
- Endpoint: LC50 - Species: Fish = 3220 mg/l - Duration h: 96
- Endpoint: EC50 - Species: Daphnia > 520 mg/l - Duration h: 48

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate - CAS: 41556-26-7

a) Aquatic acute toxicity:
- Endpoint: LC50 - Species: Fish = 0.97 mg/l - Duration h: 96

### 12.2. Persistence and degradability

Non-readily biodegradable

### 12.3. Bioaccumulative potential

Not bioaccumulative

### 12.4. Mobility in soil

Do not mix with waste water, rain or surface water. Floats on water, evaporates from liquid and solid surfaces but a signicant amount may penerate and pollute water table.

### 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

The empty containers must be considered special waste materials to take to dump of type 2B. If previously cleansed, they can be admitted in first class dumps.
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



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Limited quantities, not subject to ADR norms for internal packaging of up to 5 litres and maxium packaging of 30kg.

14.1. UN number

| | |
|---|---|
| ADR-UN Number: | 1263 |
| IATA-UN Number: | 1263 |
| IMDG-UN Number: | 1263 |

14.2. UN proper shipping name

| | |
|---|---|
| ADR-Shipping Name: | PAINT |
| IATA-Shipping Name: | PAINT |
| IMDG-Shipping Name: | PAINT |

14.3. Transport hazard class(es)

| | |
|---|---|
| ADR-Class: | 3 |
| ADR-Label: | 3 |
| ADR - Hazard identification number: | 30 |
| IATA-Class: | 3 |
| IATA-Label: | 3 |
| IMDG-Class: | 3 |
| IMDG-Class: | 3 |

14.4. Packing group

| | |
|---|---|
| ADR-Packing Group: | III |
| IATA-Packing group: | III |
| IMDG-Packing group: | III |

14.5. Environmental hazards

| | |
|---|---|
| ADR-Enviromental Pollutant: | No |
| IMDG-Marine pollutant: | No |

14.6. Special precautions for user

| | |
|---|---|
| ADR-Subsidiary risks: | - |
| ADR-S.P.: | 163 367 640E 650 |
| ADR-Tunnel Restriction Code: | 3 (D/E) |
| IATA-Passenger Aircraft: | 355 |
| IATA-Subsidiary risks: | - |
| IATA-Cargo Aircraft: | 366 |
| IATA-S.P.: | A3 A72 A192 |
| IATA-ERG: | 3L |
| IMDG-Page: | 3372 |
| IMDG-EmS: | F-E , S-E |
| IMDG-Subsidiary risks: | - |
| IMDG-MFAG: | 310 |
| IMDG-Storage category: | Category A |
| IMDG-Storage notes: | - |

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

N.A.

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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)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Volatile Organic compounds - VOCs =455.00 g/Kg= 447.72 g/l
Volatile CMR substances = 0.00 %



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Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.22
Dry weight (% wt):54,85
Where applicable, refer to the following regulatory provisions :
Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):
N.A.

15.2. Chemical safety assessment
No

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SECTION 16: Other information

Full text of phrases referred to in Section 3:
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H315 Causes skin irritation.

This safety data sheet has been completely updated in compliance to Regulation 2015/830.
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
CCNL - Appendix 1
Insert further consulted bibliography
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. |
| 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. |
| GHS: | Globally Harmonized System of Classification and Labeling of Chemicals. |
| 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. |
| LTE: | Long-term exposure. |
| N.A.: | Not available |
| N.D.: | Not determined. |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STE: | Short-term exposure. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |



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