Trodat GmbH
4600 Wels

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

Product identifier
7011 Trodat Ideal Black

Relevant identified uses of the substance or mixture and uses advised against
Identified use
Paint

Company
Trodat GmbH
Linzerstr. 156
4600 Wels / AUSTRIA
Phone +43 (0) 7242 239 - 0
Fax +43 (0) 7242 239 - 940
Homepage www.trodat.net
E-mail trodat@trodat.net

Address enquiries to
Emergency telephone number Advisory body
+43 (0) 1 406 43 43 (24h)

Emergency telephone number Company
+43 (0) 7242 239 - 0 Mo-Fr 8:00 - 16:00

Technical information
trodat@trodat.net

Safety Data Sheet
sdb@chemiebuero.de

SECTION 2: Hazards identification

Emergency Overview
Appearance, Odor:
liquid, black, characteristic

OSHA Regulatory Status
This product is classified as non-hazardous in accordance to OSHA Standard 29 CFR 1910.1200.

Potential health effects
Does not contain any PBT or vPvB substances.

SECTION 3: Composition / Information on ingredients

The product is a mixture.

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 - &lt; 50</td>
<td>Glycerol</td>
<td>56-81-5</td>
</tr>
<tr>
<td>5 - &lt; 10</td>
<td>Acid Black 2</td>
<td>8005-03-6</td>
</tr>
<tr>
<td>1 - &lt; 5</td>
<td>Carbon Black</td>
<td>1333-86-4</td>
</tr>
<tr>
<td>&lt; 1</td>
<td>Sodium sulphate</td>
<td>7757-82-6</td>
</tr>
<tr>
<td>&lt; 1</td>
<td>Polyethylene glycol</td>
<td>25322-68-3</td>
</tr>
<tr>
<td>&lt; 0.1</td>
<td>Aniline</td>
<td>62-53-3</td>
</tr>
</tbody>
</table>

Comment on component parts
Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements and R-phrases: see SECTION 16.
SECTION 4: First aid measures

Description of first aid measures
Take off contaminated clothing and wash before reuse.

Inhalation
Ensure supply of fresh air.
In the event of symptoms seek for medical treatment.

Skin contact
When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion
Seek medical advice immediately.
Rinse out mouth and give plenty of water to drink.
Do not induce vomiting.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Extinguish blanket.
Carbon dioxide.
Foam.

Extinguishing media that must not be used
Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products
Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)

Special protective equipment for firefighters
Use self-contained breathing apparatus.

Additional information
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
High risk of slipping due to leakage/spillage of product.
Ensure adequate ventilation.
Keep away from all sources of ignition.

Environmental precautions
Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

Methods and material for containment and cleaning up
Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

SECTION 7: Handling and storage

Precautions for safe handling
Use only in well-ventilated areas.

Requirements for storage rooms and vessels
Keep only in original container.
Prevent penetration into the ground.
Provide floor with bunding.

Advice on storage compatibility
Do not store together with oxidizing agents.

Further information on storage conditions
Keep container in a well-ventilated place.
Keep container tightly closed.
Protect from heat/overheating.
SECTION 8: Exposure controls / personal protection

Additional advice on system design
Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored (US)

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 - &lt; 50</td>
<td>Glycerol</td>
</tr>
<tr>
<td>CAS: 56-81-5, EINECS/ELINCS: 200-289-5</td>
<td></td>
</tr>
<tr>
<td>Long-term exposure: 15 mg/m³, (mist) total dust</td>
<td></td>
</tr>
<tr>
<td>1 - &lt; 3</td>
<td>Carbon Black</td>
</tr>
<tr>
<td>Long-term exposure: 3.5 mg/m³, OSHA</td>
<td></td>
</tr>
<tr>
<td>&lt; 0,1</td>
<td>Aniline</td>
</tr>
<tr>
<td>Long-term exposure: 2 ppm, 7.6 mg/m³, ACGIH</td>
<td></td>
</tr>
</tbody>
</table>

Respiratory protection
Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, combination filter A-P2.

Hand protection
Butyl rubber, >480 min (EN 374).
The details concerned are recommendations. Please contact the glove supplier for further information.

Eye protection
If there is a risk of splashing:
Safety glasses.

Skin protection
Light protective clothing

General protective measures
Avoid contact with eyes and skin.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Hygiene measures
Take off contaminated clothing and wash before reuse.
Do not eat, drink or smoke when using this product.
Wash face and/or hands before break and end of work.
Use barrier skin cream.

SECTION 9: Physical and chemical properties

Form
liquid

Color
black

Odor
characteristic

pH-value
not determined

pH-value [1%]
not determined

Boiling point [°C]
not determined

Flash point [°C]
> 146

Flammability [°C]
ca. 225

Lower explosion limit
not applicable

Upper explosion limit
not applicable

Oxidizing properties
no

Vapour pressure/gas pressure [kPa]
ca. 0.01 (20 °C)

Density [g/ml]
not determined

Bulk density [kg/m³]
not applicable

Solubility in water
completely miscible

Partition coefficient [n-octanol/water]
not determined

Viscosity
not determined

Relative vapour density determined in air
not determined

Evaporation speed
not determined

Melting point [°C]
not determined

Autoignition temperature [°C]
not determined

 Decomposition temperature [°C]
not determined
SECTION 10: Stability and reactivity

Reactivity
No dangerous reactions known if used as directed.

Chemical stability
Stable under normal ambient conditions (ambient temperature).

Possibility of hazardous reactions
Reactions with oxidizing agents.

Conditions to avoid
See SECTION 7.2.

Incompatible materials
No information available.

Hazardous decomposition products
No hazardous decomposition products known.

In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0,1</td>
<td>Aniline, CAS: 62-53-3</td>
</tr>
<tr>
<td></td>
<td>LD50, dermal, Rabbit: 837 mg/kg (GESTIS).</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 250 mg/kg (GESTIS).</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 200-2000 mg/kg (IUCLID).</td>
</tr>
<tr>
<td>30 - &lt; 50</td>
<td>Glycerol, CAS: 56-81-5</td>
</tr>
<tr>
<td></td>
<td>LD50, dermal, Rabbit: &gt; 18700 mg/kg (IUCLID).</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 12600 mg/kg (IUCLID).</td>
</tr>
</tbody>
</table>

Serious eye damage/irritation
not determined

Skin corrosion/irritation
not determined

Respiratory or skin sensitisation
not determined

Specific target organ toxicity — single exposure
not determined

Specific target organ toxicity — repeated exposure
not determined

Mutagenicity
not determined

Reproduction toxicity
not determined

Carcinogenicity
not determined

General remarks
Toxicological data of complete product are not available.
No classification on the basis of the calculation procedure of the preparation directive.
SECTION 12: Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
<th>LC50, (96h), Fish: 57.6 mg/l (GESTIS).</th>
<th>LC50, (48h), Daphnia sp.: 0.193 mg/l (GESTIS).</th>
<th>EC50, (72h), Algae: 20 mg/l (GESTIS).</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0.1</td>
<td>Aniline, CAS: 62-53-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - &lt; 5</td>
<td>Carbon Black, CAS: 1333-86-4</td>
<td>EC50, (24h), Daphnia magna: &gt;5600 mg/L (IUCLID).</td>
<td></td>
<td>LC0, (96h), Brachidionio rerio: 1000 mg/L (IUCLID).</td>
</tr>
<tr>
<td>30 - &lt; 50</td>
<td>Glycerol, CAS: 56-81-5</td>
<td>LC50, (24h), Carassius auratus: &gt; 5000 mg/l.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50, (72h), Bacteria: &gt; 10000 mg/l.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50, (48h), Algae: &gt; 2900 mg/l.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50, (24h), Daphnia magna: &gt; 10000 mg/l.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Behaviour in environment compartments: not determined

Behaviour in sewage plant: not determined

Bacteria toxicity: not determined

Biological degradability: not determined

COD: not determined

BOD 5: not determined

Other adverse effects:

Ecological data of complete product are not available.

No classification on the basis of the calculation procedure of the preparation directive.

SECTION 13: Disposal considerations

Product
Coordinate disposal with the authorities if necessary.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Contaminated packaging
Packaging that cannot be cleaned should be disposed of as for product.
Uncontaminated packaging may be taken for recycling.

RCRA Hazard Class (40CFR 261)
Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

SECTION 14: Transport information

Transport by land according to ADR/RID
NO DANGEROUS GOODS

Inland navigation (ADN)
NO DANGEROUS GOODS

Marine transport in accordance with IMDG
NOT CLASSIFIED AS “DANGEROUS GOODS”

Air transport in accordance with IATA
NOT CLASSIFIED AS “DANGEROUS GOODS”

DOT Road Shipment Information (49 CFR)
NOT CLASSIFIED AS “DANGEROUS GOODS”
SECTION 15: Regulatory information

US Regulations

National regulations
- SARA, 302
  One or some ingredient(s) are listed under this regulation.
  (Aniline)
- SARA, 311
  This product is not classified as hazardous under SARA 311.
- SARA, 313
  This product contain one ingredient regulated under this list(40 CFR part 372.65): Aniline
- CA Proposition 65
  Some chemical substances Carbon Black, Aniline in this material are named in California-P65 list.
- TSCA
  All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.
- FDA
  not applicable

American Conference of Governmental Industrial Hygienists - ACGIH
- Carbon Black - A4: Not classifiable as a human carcinogen.
- Aniline - A3: Confirmed Animal Carcinogen

International Agency for Research on Cancer IARC
- Glycerol (Testing Status)
- Aniline (Testing Status)

National Toxicology Program - NTP
- HAP-VOC
  HAP's-content: Aniline

Transport-regulations

Other Right to Know Laws

EC Regulations

1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

Hazard pictograms
Signal word
Hazard statements
Precautionary statements
Labelling
Hazard symbols
R-phrases
S-phrases
Special labelling

SECTION 16: Other information

Observe employment restrictions for people

HMIS Ratings

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>1</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

1* - Slight chronic Hazard
1 - Slight Hazard
0 - Minimal Hazard
X - Personal protection rating to be supplied by user depending on use conditions

NFPA Ratings

<table>
<thead>
<tr>
<th>TOP, FLAMMABILITY</th>
<th>LEFT, HEALTH</th>
<th>RIGHT, REACTIVITY</th>
<th>BOTTOM, SPECIAL NOTICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>-</td>
</tr>
</tbody>
</table>

TOP, FLAMMABILITY: 1 - Slight Hazard
LEFT, HEALTH: 1* - Slight chronic Hazard
RIGHT, REACTIVITY: 0 - Minimal Hazard
BOTTOM, SPECIAL NOTICE: -
Key / Legende:
ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; EINECS = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; NICOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TSCA = Toxic Substances Control Act

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