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

1.1. Product identifier
Trade name or designation of the mixture: Universal Bonder
Registration number: -
Synonyms: None.
SDS number: 8048
Product code: Ford Internal Ref.: 105224
Issue date: 08-April-2014
Version number: 3.0
Revision date: 28-July-2016
Supersedes date: 15-April-2014
Product use: Professional use

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Sealers and Adhesives
Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet
Company name: Ford Motor Company Ltd.
Address: Parts Distribution Centre
Royal Oak Way South
NN11 8NT Daventry, Northants
United Kingdom
Telephone number: +44 1327 305 198

Company name: Ford-Werke GmbH
Address: Edsel-Ford-Str. 2-14
50769 Köln
Germany
Telephone number: +49 221 90-33333
E-mail: sdseu@ford.com

1.4 Emergency telephone number
+49 (0) 6132-84463 (GBK GmbH – 24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards
<table>
<thead>
<tr>
<th>Hazard</th>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
<td>H315 - Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
<td>H319 - Causes serious eye irritation.</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td>Category 3 respiratory tract irritation</td>
<td>H335 - May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended
Contains: Ethyl 2-cyanoacrylate

Hazard pictograms

Signal word: Warning
Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

Prevention
P261 Avoid breathing mist or vapour.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE or doctor/physician if you feel unwell.
P337 + P313 If eye irritation persists: Get medical advice/attention.

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

Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

Supplemental label information

2.3. Other hazards
The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>Index No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-cyanoacrylate</td>
<td>80 -</td>
<td>7085-85-0</td>
<td>01-2119527766-29-XXXX</td>
<td>607-236-00-9</td>
<td>STOT SE 3; H335, C ≥ 10%</td>
</tr>
<tr>
<td></td>
<td>&lt; 100</td>
<td>230-391-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Hydroquinone                  | 0,01 - | 123-31-9       | 01-2119524016-51-XXXX  | 604-005-00-4 | M (acute) = 10 |
|                               | < 0,1 | 204-617-8       |                        |           | M (chronic) = 1 |
| Classification:               |      |                 |                        |           |                |
| Acute Tox. 4;H302, Skin Sens. 1;H317, Eye Dam. 1;H318, Muta. 2;H341, Carc. 2;H351, Aquatic Acute 1;H400, Aquatic Chronic 1;H410 |

List of abbreviations and symbols that may be used above:
M: M-factor

Composition comments
The full text for all H-phrases is displayed in Section 16.

SECTION 4: First aid measures

General information
In case of shortness of breath, give oxygen. Keep victim warm. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures
Inhalation
Move to fresh air. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

Skin contact
Wash off with warm water and soap. For minor skin contact, avoid spreading material on unaffected skin. If adhesive bonds skin, flush with water and seek medical assistance. In case the lips are accidentally glued together, get medical attention immediately.

Eye contact
Flush eyes immediately with large amounts of water. Remove contact lenses, if present and easy to do. Get medical attention immediately if the eyes are glued together.

Ingestion
Ensure that the respiratory tract is clear. Call a physician or poison control centre immediately. If ingestion of a large amount does occur, call a poison control centre immediately. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center.

4.2. Most important symptoms and effects, both acute and delayed
Conjunctivitis.
May cause allergic respiratory reaction.
Discomfort in the chest.
Irritant effects.
In case of shortness of breath, give oxygen. Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards
Not available.

5.1. Extinguishing media
- Suitable extinguishing media
  Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
- 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
Fire may produce irritating, corrosive and/or toxic gases.

5.3. Advice for firefighters
- Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
- Cool containers exposed to heat with water spray and remove container, if no risk is involved.
- Move containers from fire area if you can do so without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
- Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.
- Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions
Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up
Do no use cloth for wiping up. Rinse with water in order to complete polymerisation. Scrape up. Cured material can be disposed of as non-hazardous waste.

6.4. Reference to other sections
For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Provide adequate ventilation. Avoid contact with skin. Avoid contact with eyes. Wash hands after handling and before eating. When using, do not eat, drink or smoke. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Storage temperature: between 2 °C and 8 °C.

7.3. Specific end use(s)
Sealers and Adhesives

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>UK. EH40 Workplace Exposure Limits (WELs)</th>
<th>Components</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-cyanoacrylate (CAS 7085-85-0)</td>
<td>STEL</td>
<td>1.5 mg/m³</td>
</tr>
<tr>
<td>Hydroquinone (CAS 123-31-9)</td>
<td>TWA</td>
<td>0.5 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures
Follow standard monitoring procedures.

Derived no effect levels (DNELs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Route</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-cyanoacrylate (CAS 7085-85-0)</td>
<td>Consumer</td>
<td>Inhalation</td>
<td>9.25 mg/m³</td>
<td>Long term exposure systemic effects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inhalation</td>
<td>9.25 mg/m³</td>
<td>Long term Local effects</td>
</tr>
</tbody>
</table>

Material name: Universal Bonder
Ford Internal Ref.: 105224    Version #: 3.0    Revision date: 28-July-2016    Issue date: 08-April-2014
### Form Components

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Route</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Inhalation</td>
<td>Inhalation</td>
<td>9.25 mg/m³</td>
<td>Long term exposure systemic effects</td>
<td></td>
</tr>
<tr>
<td>Hydroquinone (CAS 123-31-9)</td>
<td>Consumer</td>
<td>Dermal</td>
<td>64 mg/kg/day</td>
<td>Long term exposure systemic effects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inhalation</td>
<td>1.74 mg/m³</td>
<td>Long term exposure systemic effects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inhalation</td>
<td>0.5 mg/m³</td>
<td>Long term exposure Local effects</td>
</tr>
<tr>
<td>Professional Dermal</td>
<td>Dermal</td>
<td>128 mg/kg/day</td>
<td>Long term exposure systemic effects</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>7 mg/m³</td>
<td>Long term exposure systemic effects</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>1 mg/m³</td>
<td>Long term exposure Local effects</td>
<td></td>
</tr>
</tbody>
</table>

### Predicted no effect concentrations (PNECs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Route</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroquinone (CAS 123-31-9)</td>
<td>Not applicable</td>
<td>Freshwater</td>
<td>0.114 µg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seawater</td>
<td>0.0114 µg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sediment</td>
<td>0.98 µg/l</td>
<td>freshwater</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sediment</td>
<td>0.097 µg/l</td>
<td>marine water</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>0.000129 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wastewater treatment plant</td>
<td>0.71 mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Water</td>
<td>1.34 µg/l</td>
<td>Intermittent release</td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**General information**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection**

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Skin protection**

- **Hand protection**
  
  Butyl rubber.

  Glove recommendation: Butoject® 898 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

  Hand protection in case of splash contact

  Nitrile rubber

  Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.

  The protective gloves to be used must comply with the specification of EU directive 89/686/EC and the resultant standard EN374. The above given information is based on laboratory test in line with EN374. The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove.

- **Other**

  Avoid contact with the skin. Wear suitable protective clothing.

**Respiratory protection**

Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Filter A (organic gases and vapours) to standard DIN EN 141.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls**

Environmental manager must be informed of all major releases.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
- Physical state: Liquid.
- Form: Liquid.
- Colour: Colourless to light yellow.

Odour: Not available.

Odour threshold: Not applicable

pH: Not applicable

Melting point/freezing point: Not applicable

Initial boiling point and boiling range: > 149 °C (> 300.2 °F)

Flash point: 80.0 - 93.3 °C (176.0 - 199.9 °F)

Evaporation rate: Not applicable

Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits
- Flammability limit - lower (%): Not available.
- Flammability limit - upper (%): Not available.

Vapour pressure: < 0.45003701 mm Hg @ 25 °C

Vapour density: Not applicable

Relative density: Not available.

Solubility(ies)
- Solubility (water): Polymerises under humid conditions
- Solubility (other): Not available.

Partition coefficient (n-octanol/water): Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity: Not applicable

Explosive properties: Not applicable

Oxidising properties: Not applicable

9.2. Other information

Bulk density: Not applicable

Density: 1.1 g/cm3 @ 20 °C

Flammability: Not applicable

Kinematic viscosity: Not applicable

VOC (EU): < 3%

VOC (CH): < 3%

SECTION 10: Stability and reactivity

10.1. Reactivity
- A rapid exothermic polymerization reaction occurs in the presence of water, amines, alkaline substances and alcohols.

10.2. Chemical stability
- Material is stable under normal conditions.

10.3. Possibility of hazardous reactions
- No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid
- A rapid exothermic polymerization reaction occurs in the presence of water, amines, alkaline substances and alcohols.

10.5. Incompatible materials
- Water.
- Amines.
- Alkalies.
- Alcohols.

10.6. Hazardous decomposition products
- No hazardous decomposition products are known.
SECTION 11: Toxicological information

General information
Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation
May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact
Causes skin irritation. Bonds the skin within seconds. An allergic reaction is unlikely due to the fact that the product hardens on the surface of the skin.

Eye contact
Causes serious eye irritation. The liquid product bonds the eyelids. In a dry atmosphere (relative humidity < 50%), the vapors may cause irritation and lachrymatory effect.

Ingestion
Expected to be a low ingestion hazard. It is almost impossible to swallow it because it immediately polymerized in the mouth.

Symptoms
Irritating to eyes, respiratory system and skin. Irritating to mouth, throat, and stomach.

11.1. Information on toxicological effects

Acute toxicity
No data available.

Skin corrosion/irritation
Irritating to skin.

Serious eye damage/eye irritation
Irritating to eyes.

Respiratory sensitisation
Not available.

Skin sensitisation
This product is not expected to cause skin sensitisation.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity
Hydroquinone (CAS 123-31-9) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure
Not classified.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Not available.

Mixture versus substance information
No information available.

Other information
Not available.

SECTION 12: Ecological information

12.1. Toxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability
No data is available on the degradability of this product.

12.3. Bioaccumulative potential
No data available.

Partition coefficient n-octanol/water (log Kow)

<table>
<thead>
<tr>
<th>Compound</th>
<th>log Kow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl 2-cyanoacrylate</td>
<td>0.776</td>
</tr>
<tr>
<td>Hydroquinone</td>
<td>0.59</td>
</tr>
</tbody>
</table>

Bioconcentration factor (BCF)
Not available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.

12.6. Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
08 04 09
15 01 10

Disposal methods/information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions

Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR
Not regulated as dangerous goods.

IATA

14.1. UN number UN3334
14.2. UN proper shipping name Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
14.3. Transport hazard class(es)
   Class 9
   Subsidiary risk
14.4. Packing group III
14.5. Environmental hazards No.
ERG Code 9A
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed with restrictions.
Cargo aircraft only Allowed with restrictions.
Maximum net quantity packaging - Passenger and cargo aircraft 100 L
Maximum net quantity packaging cargo only 220 L
Maximum net quantity packaging - Limited quantity 30 kg G
Special provisions A27

IMDG
Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU regulations
Restrictions on use
Other regulations This Safety Data Sheet complies with the requirements of Regulation (EC) No 2015/830.

Other EU regulations

Directive 94/33/EC on the protection of young people at work, as amended
Hydroquinone (CAS 123-31-9)
Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended
Ethyl 2-cyanoacrylate (CAS 7085-85-0)
Hydroquinone (CAS 123-31-9)
VOC (EU): < 3 %

Directive 2012/18/EU on major accident hazards involving dangerous substances Not applicable
Follow national regulation for work with chemical agents.

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

AC: Article category.
acc., acc.to: according, according to.
AGIHI: American Conference of Governmental Industrial Hygienists.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).
AGW: Occupational threshold limit value (Arbeitssplatzgrenzwert – Germany).
AICS: Australian Inventory of Chemical Substances.
AOEL: Acceptable Operator Exposure Level.
AOX: adsorbable organic halogen compounds.
approx.: approximately.
ASTM: ASTM International.
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
BAM: Federal Institute for Materials Research and Testing, Germany (Bundesanstalt für Materialforschung und -prüfung).
Maximum permissible concentration of biological working substances (BAT: Biologische Arbeitsstofftoleranzwerte).
BAuA: Federal Institute for Occupational Health and Safety, Germany (Bundesanstalt für Arbeitsschutz und Arbeitsmedizin).
BCF: Bio-concentration factor.
BET: Brunauer-Emmett-Teller.
BLV: Biological Limit Value.
BLV: Biological Limit Value (BGW: Biologischer Grenzwert, Austria).
BMGV: Biological Monitoring Guidance Value (EH40,UK).
BSI: British Standards Institution.
BS: British Standard.
BOD5: Biochemical oxygen demand within 5 days.
BOD: Biochemical oxygen demand.
bw: Body weight.
calcld.: calculated.
CAS: Chemical Abstract Service.
CEN: European Committee for Standardization (Comité Européen de Normalisation).
CESIO: European Committee on Organic Surfactants and their Intermediates (Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques).
ChemRRV: Ordinance on the risk reduction related to chemical products (ChemRRV: Chemikalien-Risikoreduktions-verordnung, Switzerland).
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction.
CNS: Central Nervous System.
CNT: Carbon nanotubes.
COD: Chemical Oxygen Demand.
CSA: Chemical Safety Assessment.
CSR: Chemical Safety Report.
DIN: German Standards Institute / German industrial norm (Deutsches Institut für Normung / Deutsche Industrienorm).
DMEL: Derived Minimum Effect Level.
DNEL: Derived No Effect Level.
DOC: Dissolved organic carbon.
DSL: Canada, Domestic Substances List.
DU: Downstream User.
dw: dry weight.
e.g.: For example, for instance.
EBW: Exposure Based Waiving.
EC: European Community.
EC50: Effective Concentration 50%.
ECHA: European Chemical Agency.
NOEL: No observed effect level.
NTP: National Toxicology Program.
NZIoC: New Zealand Inventory of Chemicals.
ODP: Ozone Depletion Potential.
OECD: Organization for Economic Cooperation and Development.
OEL: Occupational Exposure Limit.
org.: organic.
OSHA: Occupational Safety & Health Administration.
PAH: Polycyclic Aromatic Hydrocarbons.
PBT: Persistent, bioaccumulative, toxic.
PC: Product category.
PE: Polyethylene.
P EC: Predicted Environmental Concentration.
PEL: Permissible Exposure Limit.
PIC: Prior Informed Consent.
PICCS: Philippines Inventory of Commercial Chemical Substances.
PNEC: Predicted No Effect Concentration.
POCP: Photochemical ozone creation potential (Photochemisches Ozonbildungspotenzial).
POP: Persistent Organic Pollutant.
PPORD: Product and Process Oriented Research and Development.
PPE: Personal Protective Equipment.
PROC: Process category.
RA: Risk Assessment.
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
RMM: Risk Management Measure.
RTECS: Registry of Toxic Effects of Chemical Substances.
QoSAR: Quantitative Structure Activity Relation.
SARA: Superfund Amendments and Reauthorization Act.
SADT: Self-Accelerating Decomposition Temperature.
SCL: Specific concentration limit.
SEA: socio economic analysis.
STEL: Short-term Exposure Limit.
STP: Sewage treatment plant.
SU: Sector of use.
SVHC: Substance of Very High Concern.
SWCNT: single-walled carbon nanotubes.
ThOD: Theoretical oxygen demand.
TOC: Total Organic Carbon.
TLV: Threshold Limit Value.
TRA: Targeted Risk Assessment.
TSCA: Toxic Substance Control Act.
TWA: Time Weighted Average.
UC: Use category.
UDS: Use descriptor system.
UEC: Use and exposure categories.
UN: United Nations.
UVCB: Unknown or Variable Composition, Complex Reaction Products, and Biological Materials.
Regulation on combustible liquids (VbF: Verordnung über brennbare Flüssigkeiten, Austria).
Regulation of the Austria Minister for Labor and Social Affairs regarding health surveillance at the workplace (VGU – Verordnung des Bundesministers für Arbeit und Soziales über die Gesundheitsüberwachung am Arbeitsplatz).
VOC: Volatile organic compounds.
vPvB: very Persistent, very Bioaccumulative.
WoE: Weight of evidence.
WHO: World Health Organization.
wwt: wet weight.
Not available.

References
The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This document has undergone significant changes and should be reviewed in its entirety.

Follow training instructions when handling this material.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
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