SAFETY DATA SHEET
Cyanoacrylate Accelerator

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME
Cyanoacrylate Accelerator

PRODUCT NO.
77100A

SUPPLIER
Permatex Europe
Unit 3 Shipton Way
Express Business Park
Northampton Road, Rushden
Northants
NN10 6GL
+44 (0)870 458 9686
equiries@permatex.eu

2 HAZARDS IDENTIFICATION

Harmful by inhalation. Highly flammable.

CLASSIFICATION
Xn;R20. F;R11.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALIPHATIC HYDROCARBONS (n-HEXANE &gt;5%)</td>
<td>203-777-6</td>
<td>64742-49-0</td>
<td>90-100%</td>
<td>Xn;R20. F;R11.</td>
</tr>
<tr>
<td>n-HEXANE-norm</td>
<td>203-777-6</td>
<td>110-54-3</td>
<td>1-5%</td>
<td>F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 XI;R38 R57 N;R51/53</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION
In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

INHALATION
Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

INGESTION
Get medical attention immediately! Do not induce vomiting. Avoid vomiting and normal rinse of stomach because of risk of aspiration.

SKIN CONTACT
Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

EYE CONTACT
Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Fire can be extinguished using: Alcohol resistant foam. Carbon dioxide (CO2). Powder.

SPECIAL FIRE FIGHTING PROCEDURES
Do not breathe vapours/spray. Use water SPRAY only to cool containers! Do not put water on leaked material.

SPECIFIC HAZARDS
The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

PROTECTIVE MEASURES IN FIRE
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Use protective gloves, goggles and suitable protective clothing.
ENVIRONMENTAL PRECAUTIONS
Do not allow ANY environmental contamination. Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS
Ventilate well. Absorb spillage with non-combustible, absorbent material. Collect in containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS
Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>Std</th>
<th>TWA - 8 hrs</th>
<th>STEL - 15 min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEXANE-norm</td>
<td>WEL</td>
<td>20 ppm</td>
<td>72 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit:

PROCESS CONDITIONS
Provide eyewash, quick drench.

ENGINEERING MEASURES
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

RESPIRATORY EQUIPMENT
If ventilation is insufficient, suitable respiratory protection must be provided. Use chemical cartridge protection with appropriate cartridge.

HAND PROTECTION
For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber (natural, latex).

EYE PROTECTION
Use eye protection.

HYGIENE MEASURES
Wash hands after handling. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>APPEARANCE</th>
<th>Coloured liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR</td>
<td>Colourless to pale yellow</td>
</tr>
<tr>
<td>ODOR</td>
<td>Characteristic</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>BOILING POINT (°C)</td>
<td>60-90</td>
</tr>
<tr>
<td>VAPOUR PRESSURE</td>
<td>19 kPa 20</td>
</tr>
<tr>
<td>FLASH POINT (°C)</td>
<td>-25 CC (Closed cup)</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - UPPER(%)</td>
<td>7.3</td>
</tr>
<tr>
<td>RELATIVE DENSITY</td>
<td></td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td></td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - LOWER(%)</td>
<td>1.0</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

STABILITY
Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID
Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

MATERIALS TO AVOID
Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
11 TOXICOLOGICAL INFORMATION

INHALATION
Vapour from this chemical can be hazardous when inhaled. May cause irritation to the respiratory system. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION
May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT
Irritating to skin. Prolonged contact may cause redness, irritation and dry skin.

EYE CONTACT
Irritating and may cause redness and pain.

OTHER HEALTH EFFECTS
Prolonged or repeated exposure to this chemical may cause: CNS depressant.

ROUTE OF ENTRY
Inhalation. Ingestion. Skin and/or eye contact.

12 ECOLOGICAL INFORMATION

ECOTOXICITY
Dangerous for the environment if discharged into watercourses. The product is insoluble in water and will spread on the water surface.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION
When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS
Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS 2
PROPER SHIPPING NAME AEROSOLS
UN NO. ROAD 1950
ADR CLASS NO. 2
ADR PACK GROUP N/A
ADR LABEL NO. 2.1
RID CLASS NO. 2
RID PACK GROUP N/A
UN NO. SEA 1950
IMDG CLASS 2.1
IMDG PACK GR. N/A
UN NO. AIR 1950
AIR CLASS 2.1
AIR PACK GR. N/A

15 REGULATORY INFORMATION

LABELLING

Harmful
Highly Flammable
Cyanoacrylate Accelerator

CONTAINS
ALIPHATIC HYDROCARBONS (n-HEXANE >5%)

RISK PHRASES
R20 Harmful by inhalation.
R11 Highly flammable.

SAFETY PHRASES
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S51 Use only in well-ventilated areas.

16 OTHER INFORMATION

REVISION DATE 09/02/2010
REV. NO./REPL. SDS GENERATED 2

RISK PHRASES IN FULL
R11 Highly flammable.
R20 Harmful by inhalation.
R38 Irritating to skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER
This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.