SECTION 1: Identification

1.1 Product name: 3M™ Novoc™ 1230 Fire Protection Fluid

1.2 Importer / Supplier: Fire Protection Technologies
Address: Unit 1/251 Ferntree Gully Road
Mt Waverley, Victoria, 3149 Australia.

1.3 Telephone Number 1300 742 296

1.4 Emergency Telephone No. 24 hours 1300 742 296

1.5 Emergency Services Dial 000

1.6 SDS Preparer: Fire Protection Technologies

1.7 Recommended use and restrictions on use
Streaming and Flooding Fire Protection
For Industrial or Professional use only

SECTION 2: Hazard identification

This product is NOT classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011.

Refer to Section 14 of this Safety Data Sheets for product Dangerous Goods Classification.

2.1. Classification of the substance or mixture
Not applicable.

2.2. Label elements

Signal word
Not applicable.

Symbols
Not applicable.

Pictograms
Not applicable.

2.3. Other assigned/identified product hazards
None known.

2.4. Other hazards which do not result in classification
May be harmful if swallowed.
May be harmful in contact with skin.
Harmful to aquatic life with long lasting effects.
SECTION 3: Composition/information on ingredients

This material is a mixture.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Nbr</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>756-13-8</td>
<td>&gt; 99.9</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air. If you are concerned, get medical advice.

Skin contact
Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If swallowed
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
See Section 11.1. Information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required
Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media
Product is a fire-extinguishing agent. Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Exposure to extreme heat can give rise to thermal decomposition.

Hazardous Decomposition or By-Products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide.</td>
<td>During combustion.</td>
</tr>
<tr>
<td>Carbon dioxide.</td>
<td>During combustion.</td>
</tr>
<tr>
<td>Toxic Vapor/Gas</td>
<td>During combustion.</td>
</tr>
</tbody>
</table>

5.3. Special protective actions for fire-fighters
When fire fighting conditions are severe and total thermal decomposition of the product is possible, wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Contents may be under pressure, open carefully. Avoid inhalation of thermal decomposition products. For industrial or professional use only. Do not use in a confined area with minimal air exchange. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities
Protect from sunlight. Store in a well-ventilated place. Store at temperatures not exceeding 38°C/100°F. Store away from strong bases. Store away from other materials. Store away from amines.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Nbr</th>
<th>Agency</th>
<th>Limit type</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>756-13-8</td>
<td>Manufacture determined</td>
<td>TWA:150 ppm(1940 mg/m3)</td>
<td></td>
</tr>
</tbody>
</table>

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
Australia OELs : Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
CMRG : Chemical Manufacturer's Recommended Guidelines
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit CEIL: Ceiling
Sen: Sensitiser
Sk: Absorption through the skin may be a significant source of exposure.

8.2. Exposure controls

8.2.1. Engineering controls
Provide appropriate local exhaust when product is heated. For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use with appropriate local exhaust ventilation sufficient to maintain levels of thermal decomposition products below their exposure guidelines. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.
8.2.2. Personal protective equipment (PPE)

Eye/face protection
Eye protection not required.

Skin/hand protection
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.
Gloves made from the following material(s) are recommended: Nitrile rubber.
Select and use gloves according to AS/NZ 2161.

Respiratory protection
If thermal degradation products are expected, use a full facepiece supplied-air respirator. If thermal decomposition occurs:
Use a positive pressure supplied-air respirator if there is a potential for over exposure from an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Physical state
Specific Physical Form: Liquid.
Appearance/Odour Clear colorless liquid with low odor
Odour threshold No data available.
pH Not applicable.
Melting point/Freezing point -108 °C
Boiling point/Initial boiling point/Boiling range 49 °C [@ 101,324.72 Pa ]
Flash point No flash point
Evaporation rate > 1 [Ref Std: BUOAC=1]
Flammability (solid, gas) Not applicable.
Flammable Limits(LEL) None detected
Flammable Limits(UEL) None detected
Vapour pressure 40.4 kPa [@ 25 °C ]
Vapour density 11.6 [Ref Std: AIR=1]
Density 1.6 g/ml
Relative density 1.6 [@ 20 °C ] [Ref Std: WATER=1]
Water solubility Nil
Solubility- non-water No data available.
Partition coefficient: n-octanol/water No data available.
Autoignition temperature Not applicable.
Decomposition temperature No data available.
Viscosity 0.6 mPa-s [@ 25 °C ]
Molecular weight No data available.
Volatile organic compounds (VOC) 1,600 g/l [Test Method: calculated SCAQMD rule 443.1]
Percent volatile 100 %
VOC less H2O & exempt solvents 1,600 g/l [Test Method: calculated SCAQMD rule 443.1]
SECTION 10: Stability and reactivity

10.1 Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability
Stable.

10.3. Conditions to avoid
Light.

10.4. Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.5 Incompatible materials
Strong bases.
Amines.
Alcohols.

10.6 Hazardous decomposition products
<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Fluoride</td>
<td>At elevated temperatures. - extreme conditions of heat</td>
</tr>
</tbody>
</table>

If the product is exposed to extreme conditions of heat from misuse or equipment failure, toxic decomposition products that include hydrogen fluoride and perfluoroisobutylene can occur. Dust created by grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation
No known health effects.

Skin contact
May be harmful in contact with skin.

Eye contact
Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion
May be harmful if swallowed.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.
### Acute Toxicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Dermal</td>
<td>Rat</td>
<td>LD50 &gt; 2,000 mg/kg</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Inhalation-Vapour (4 hours)</td>
<td>Rat</td>
<td>LC50 &gt; 1,227 mg/l</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 &gt; 2,000 mg/kg</td>
</tr>
</tbody>
</table>

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
</tbody>
</table>

### Serious Eye Damage/Irritation

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Rabbit</td>
<td>No significant irritation</td>
</tr>
</tbody>
</table>

### Skin Sensitisation

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Guinea pig</td>
<td>Not sensitizing</td>
</tr>
</tbody>
</table>

### Respiratory Sensitisation

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Germ Cell Mutagenicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
<td></td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>In vivo</td>
<td>Not mutagenic</td>
<td></td>
</tr>
</tbody>
</table>

### Carcinogenicity

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
<th>Species</th>
<th>Test result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Inhalation</td>
<td>Not toxic to female reproduction</td>
<td>Rat</td>
<td>NOAEL 3,000 ppm</td>
<td>premating &amp; during gestation</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Inhalation</td>
<td>Not toxic to male reproduction</td>
<td>Rat</td>
<td>NOAEL 3,000 ppm</td>
<td>premating &amp; during gestation</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>Inhalation</td>
<td>Not toxic to development</td>
<td>Rat</td>
<td>NOAEL 3,000 ppm</td>
<td>premating &amp; during gestation</td>
</tr>
</tbody>
</table>
Target Organ(s)

Specific Target Organ Toxicity - single exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inhalation</td>
<td>nervous system</td>
<td>All data are negative</td>
<td>Rat</td>
<td>NOAEL 100,000 ppm</td>
<td>2 hours</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>cardiac sensitization</td>
<td>All data are negative</td>
<td>Dog</td>
<td>Sensitization Negative</td>
<td>17 minutes</td>
</tr>
</tbody>
</table>

Specific Target Organ Toxicity - repeated exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inhalation</td>
<td>liver</td>
<td>kidney and/or bladder</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
<td>Rat</td>
<td>NOAEL 3,000 ppm</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>heart</td>
<td>endocrine system</td>
<td>hematopoietic system</td>
<td>muscles</td>
<td>nervous system</td>
</tr>
</tbody>
</table>

Aspiration Hazard
For the component/components, either no data are currently available or the data are not sufficient for classification.

Exposure Levels
Refer Section 8.1 Control Parameters of this Safety Data Sheet.

Interactive Effects
Not determined.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:
GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:
GHS Chronic 3: Harmful to aquatic life with long lasting effects.
<table>
<thead>
<tr>
<th>Material</th>
<th>Organism</th>
<th>Type</th>
<th>Exposure</th>
<th>Test endpoint</th>
<th>Test result</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M™ Novec™ 1230 Fire Protection Fluid</td>
<td>Green algae</td>
<td>Estimated</td>
<td>72 hours</td>
<td>EC50</td>
<td>7.7 mg/l</td>
</tr>
<tr>
<td>3M™ Novec™ 1230 Fire Protection Fluid</td>
<td>Zebra Fish</td>
<td>Estimated</td>
<td>96 hours</td>
<td>LC50</td>
<td>&gt;1,200 mg/l</td>
</tr>
<tr>
<td>3M™ Novec™ 1230 Fire Protection Fluid</td>
<td>Water flea</td>
<td>Estimated</td>
<td>48 hours</td>
<td>EC50</td>
<td>&gt;1,200 mg/l</td>
</tr>
<tr>
<td>3M™ Novec™ 1230 Fire Protection Fluid</td>
<td>Green algae</td>
<td>Estimated</td>
<td>72 hours</td>
<td>NOEC</td>
<td>1.2 mg/l</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>Organism</th>
<th>Type</th>
<th>Exposure</th>
<th>Test endpoint</th>
<th>Test result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5, 5-Nonafluoro-4-(trifluoromethy l)-3-pentanone</td>
<td>756-13-8</td>
<td>Green algae</td>
<td>Experimental</td>
<td>96 hours</td>
<td>NOEC</td>
<td>3.71 mg/l</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5, 5-Nonafluoro-4-(trifluoromethy l)-3-pentanone</td>
<td>756-13-8</td>
<td>Fathead minnow</td>
<td>Experimental</td>
<td>96 hours</td>
<td>LC50</td>
<td>&gt;1,070 mg/l</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5, 5-Nonafluoro-4-(trifluoromethy l)-3-pentanone</td>
<td>756-13-8</td>
<td>Water flea</td>
<td>Experimental</td>
<td>48 hours</td>
<td>EC50</td>
<td>&gt;1,080 % weight</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5, 5-Nonafluoro-4-(trifluoromethy l)-3-pentanone</td>
<td>756-13-8</td>
<td>Green algae</td>
<td>Experimental</td>
<td>96 hours</td>
<td>LC50</td>
<td>10.6 mg/l</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>Test type</th>
<th>Duration</th>
<th>Study Type</th>
<th>Test result</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5, 5-Nonafluoro-4-(trifluoromethy l)-3-pentanone</td>
<td>756-13-8</td>
<td>Experimental Aquatic Biodegrad. - Aerobic</td>
<td>28 days</td>
<td>CO2 evolution</td>
<td>3 % weight</td>
<td>OECD 301B - Modified sturm or CO2</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5, 5-Nonafluoro-4-(trifluoromethy l)-3-pentanone</td>
<td>756-13-8</td>
<td>Experimental Photolysis</td>
<td></td>
<td>Photolytic half-life (in air)</td>
<td>7.3 days (t 1/2)</td>
<td>Other methods</td>
</tr>
<tr>
<td>1,1,1,2,2,4,5,5, 5-Nonafluoro-4-(trifluoromethy l)-3-pentanone</td>
<td>756-13-8</td>
<td>Experimental Hydrolysis</td>
<td></td>
<td>Hydrolytic half-life</td>
<td>&lt;2.5 minutes (t 1/2)</td>
<td>Other methods</td>
</tr>
</tbody>
</table>
12.3 : Bioaccumulative potential

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>Test type</th>
<th>Duration</th>
<th>Study Type</th>
<th>Test result</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>756-13-8</td>
<td>Experimental BCF-Carp</td>
<td>28 days</td>
<td>Bioaccumulation factor</td>
<td>&lt;4.8</td>
<td>OECD 305E - Bioaccumulation flow-through fish test</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
Please contact manufacturer for more details

12.5 Other adverse effects

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS Number</th>
<th>Ozone Depletion Potential</th>
<th>Global Warming Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,2,2,4,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone</td>
<td>756-13-8</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1. Disposal methods
Dispose of contents/container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include HF. Facility must be capable of handling halogenated materials.

SECTION 14: Transport Information

Australian Dangerous Goods Code (ADG) - Road/Rail Transport UN No.: Not applicable.
Proper shipping name: Not applicable.
Class/Division: Not applicable.
Sub Risk: Not applicable.
Packing Group: Not applicable.

Hazchem Code: Not applicable
IERG: Not applicable.

International Air Transport Association (IATA) - Air Transport UN No.: Not applicable.
Proper shipping name: Not applicable.
Class/Division: Not applicable.
Sub Risk: Not applicable.
Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG)- Marine Transport UN No.: Not applicable.
Proper shipping name: Not applicable.
Class/Division: Not applicable.
Sub Risk: Not applicable. Packing Group: Not applicable. Marine Pollutant: Not applicable.
SECTION 15: Regulatory information

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

**Australian Inventory Status:**
This product contains a chemical(s) that has been notified to NICNAS and is subject to Secondary Notification requirements. For further information please contact aucorporate.regulatory@mmm.com

**Poison Schedule:** This product is intended for Industrial or Professional Use only and therefore is not packaged and labelled in accordance with the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons.

SECTION 16: Other information

**Revision information:**
Complete document review.

**DISCLAIMER:** The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Safety Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

Greenguard ® is a United States based program. The ‘Low VOC’ reference related to United States Federal and State regulations exemptions for some solvents.