

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name **D-SOLVE GRAFFITI REMOVER**
 Product No. **T070**

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

Identified uses **Graffiti remover**

1.3. Details of the supplier of the safety data sheet

Selden Research Limited t : 01298 26226
 Staden Lane f : 01298 26540
 Ashbourne Road e : safety@selden.co.uk
 Buxton
 Derbyshire
 SK17 9RZ
 United Kingdom

1.4. Emergency telephone number

01298 26226

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (67/548/EEC) **R10.**

2.2. Label elements

Risk Phrases **R10 Flammable.**
 Safety Phrases **S2 Keep out of the reach of children.
 S23 Do not breathe vapour/spray.
 S37/39 Wear suitable gloves and eye/face protection.
 S51 Use only in well-ventilated areas.**

2.3. Other hazards

No other hazards known., This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not Applicable

3.2. Mixtures

PROPAN-2-OL	10-30%
CAS-No.: 67-63-0	EEC (EINECS) No. 200-661-7
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flammable liquids, category 2 - H225	F;R11
Eye irritation, category 2 - H319	Xi;R36
STOT***, single exposure, category 3 - Narcotic effects - H336	R67

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information **Treat Symptomatically.**
 Inhalation **Move the exposed person to fresh air at once., If breathing stops, provide artificial respiration., Keep the affected person warm and at rest. Get prompt medical attention., For breathing difficulties oxygen may be necessary.**
 Ingestion **DO NOT INDUCE VOMITING!., Remove victim immediately from source of exposure., Rinse mouth thoroughly.,**

Skin contact	Provide rest, warmth and fresh air., Get medical attention immediately! Remove affected person from source of contamination., Remove contaminated clothing., 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., Contact physician if irritation persists.

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

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact	Prolonged or repeated exposure may cause severe irritation.
Eye contact	Spray and vapour in the eyes may cause irritation and smarting.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media Fire can be extinguished using:, Foam., Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Unsuitable extinguishing media

5.3. Advice for firefighters

Special Fire Fighting Procedures Self contained breathing apparatus and full protective clothing must be worn in case of fire. Avoid breathing fire vapours., Cool containers exposed to flames with water until well after the fire is out., Emits combustible gases if heated., Be aware of danger for fire to re-start.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate., Clean-up personnel should use respiratory and/or liquid contact protection., Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact., Keep away from heat, sparks and open flame., Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level., Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames., Store in tightly closed original container in a dry, cool and well-ventilated place., Keep in original container.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
PROPAN-2-OL	WEL	400 ppm999 mg/m3	500 ppm1250 mg/m3	

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection

Use protective gloves made of: , Rubber (natural, latex).

Eye protection

Use approved safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA!, Wash hands at the end of each work shift and before eating, smoking and using the toilet., Wash promptly with soap & water if skin becomes contaminated., Promptly remove any clothing that becomes contaminated., Use appropriate skin cream to prevent drying of skin., When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear, Liquid
Colour	Amber.
Odour	Solvent.
Relative density	1.007 - 1.017 @ 20 °C
pH-Value, Conc. Solution	N/A
Flash point (°C)	35

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Avoid heat., Avoid contact with oxidisers or reducing agents.

10.5. Incompatible materials

Do not mix or use with other products.

10.6. Hazardous decomposition products

Fire creates: , Toxic gases/vapours/fumes of: , Carbon monoxide (CO) , Carbon dioxide (CO2).

SECTION 11: TOXICOLOGICAL INFORMATION11.1. Information on toxicological effects

Toxicological information	No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact	Prolonged or repeated exposure may cause severe irritation.
Eye contact	Spray and vapour in the eyes may cause irritation and smarting.

SECTION 12: ECOLOGICAL INFORMATION12.1. Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.2. Persistence and degradability

Degradability	The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

Mobility:	The product contains substances, which are water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS13.1. Waste treatment methods

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

SECTION 14: TRANSPORT INFORMATION14.1. UN number

UN No. (ADR/RID/ADN)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993

14.2. UN proper shipping name

Proper Shipping Name:	FLAMMABLE LIQUID,NOS (Isopropanol)
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14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
IMDG Class	3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

14.6. Special precautions for user

Tunnel Restriction Code D/

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION

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

UK Regulatory References	The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Environmental Listing	Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)., Control of Substances Hazardous to Health.
Approved Code Of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Workplace Exposure Limits EH40., Introduction to Local Exhaust Ventilation HS(G)37., CHIP for everyone HSG (108).
EU Legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
National Regulations	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

SECTION 16: OTHER INFORMATION

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 08/03/2013

Revision 6

Risk Phrases In Full R11 Highly flammable, R36 Irritating to eyes., R67 Vapours may cause drowsiness and dizziness. |

Hazard Statements In Full
 H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.