



Flaw Detector Developer Spray SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

1.1 Product identifier	Product Name	Flaw Detector Developer Spray.	
	Trade Name	Flaw Detector Developer Spray.	
	Order Code	SOL-732-0280K	
	CAS No.	Mixture.	
	EINECS No.	Mixture.	
	REACH Registration No.	None assigned.	
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified use(s)	Non-reactive coating for use with Solent Flaw Finder System.	
	Uses advised against	None known.	
1.3 Details of the supplier of the Safety Data Sheet	Company Identification	Supplier	Manufacturer
		Solent, Wigston, Leicester, England. LE18 2FS.	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. WA11 9SF.
	Telephone	+44 (0) 116 288 8000	00 44 1942 713667
	Fax	+44 (0) 116 288 8222	01942 716235
	E-Mail (competent person)		info@actioncan.com
1.4 Emergency telephone number	Emergency Phone No.	01942 713667 (Mon – Fri: 9am to 5pm)	

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated. Eye Irrit. 2; Causes serious eye irritation. STOT SE 3; May cause drowsiness or dizziness.
2.2 Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	Solent Flaw Detector Developer.
Hazard Pictogram(s)	 
	GHS02 GHS07
Signal Word(s)	Danger.
Hazard Statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

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Precautionary Statement(s)	<p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211: Do not spray on an open flame or other ignition source.</p> <p>P251: Do not pierce or burn, even after use.</p> <p>P261: Avoid breathing spray.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.</p>
Additional Information	<p>Keep out of reach of children.</p> <p>Do not spray on a naked flame or any incandescent material. This product is aerosol packed and in a limited quantity as such it is unlikely to pose a significant spill or environmental hazard.</p>
2.3 Other hazards	None.
2.4 Additional Information	For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Dimethyl ether	50 – 100	115-10-6	204-065-8	01-2119472128-37-0000	GHS02, Flam. Gas 1; H220, GHS04, Press Gas: Liquefied gas; H280
Acetone	10 – 25	67-64-1	200-662-2	01-2119471330-49-0000	GHS02, Flam. Liq. 2; H225, GHS07, Eye Irrit. 2; H319, STOT SE 3; H336

3.2 Additional Information

For full text of H/P phrases see section 16.

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4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin Contact	Wash skin with soap and water. If irritation develops and persists, get medical attention.
Eye Contact	IF IN EYES: 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	Unlikely route of exposure.
4.2 Most important symptoms and effects, both acute and delayed	None anticipated.
4.3 Indication of any immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

Pressurised container: May burst if heated.

5.1 Extinguishing Media	Water spray, foam, dry powder or CO ₂ .
Suitable Extinguishing Media	Do not use water jet.
5.2 Special hazards arising from the substance or mixture	Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Oxides of carbon.
5.3 Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep fire exposed containers cool by spraying with water.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures	Eliminate sources of ignition. Avoid breathing spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.
6.2 Environmental precautions	Do not allow to enter drains, sewers or watercourses.
6.3 Methods and material for containment and cleaning up	Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Leaked product will render floors very slippery. Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty.
6.4 Reference to other sections	See Also Section: 8, 13.

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7. SECTION 7: HANDLING AND STORAGE




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| <p>7.1 Precautions for safe handling</p> | <p>Provide adequate ventilation. Avoid breathing spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not let the can touch battery terminals, electrical connectors or any source of electricity. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.</p> |
| <p>7.2 Conditions for safe storage, including any incompatibilities</p> <p>Storage Temperature
Storage Life
Incompatible materials</p> | <p>Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed. Industrial product for professional use. Locked storage does not apply to this product.</p> <p>Do not expose to temperatures exceeding 50°C/ 122°F. Stable under normal conditions.</p> <p>None anticipated.</p> |
| <p>7.3 Specific end use(s)</p> | <p>Non-reactive coating for use with Solent Flaw Finder System.</p> |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Dimethyl ether	115-10-6	400	766	500	958	WEL
Acetone	67-64-1	500	1210	1500	3620	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

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| <p>8.1.2 Biological limit value</p> | <p>Not established.</p> |
| <p>8.1.3 PNECs and DNELs</p> | <p>Not established.</p> |
| <p>8.2 Exposure controls</p> <p>8.2.1 Appropriate engineering controls</p> <p>8.2.2 Personal protection equipment</p> <p>Eye/face protection</p>  <p>Skin protection (Hand protection/ Other)</p>  <p>Respiratory protection</p>  <p>Thermal hazards</p> | <p>Provide adequate ventilation.</p> <p>Wear suitable eye/face protection.</p> <p>Wear suitable gloves if prolonged skin contact is likely.</p> <p>Wear suitable respiratory protective equipment.</p> <p>Not applicable.</p> |
| <p>8.2.3 Environmental Exposure Controls</p> | <p>Do not allow to enter drains, sewers or watercourses.</p> |

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9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Aerosol.
	Colour	Whitish.
	Odour	Characteristic.
	Odour Threshold	Not determined.
	pH	Not determined.
	Melting Point/Freezing Point	Not determined.
	Initial boiling point and boiling range	-24°C
	Flash Point	-42°C
	Evaporation rate	Not applicable.
	Flammability (solid, gas)	Extremely flammable.
	Upper/lower flammability or explosive limits	2.6 – 18.6Vol-%
	Vapour pressure	5200hPa @ 20°C
	Vapour density	Not determined.
	Relative density	Not determined.
	Density	0.72g/cm ³ @ 20°C
	Solubility(ies)	Immiscible with water.
	Partition coefficient: n-octanol/water	0.07 log P (Dimethyl ether)
	Ignition temperature	235°C
	Auto-ignition temperature	The product is not self-igniting.
	Decomposition Temperature	Not determined.
	Viscosity	Not determined.
	Explosive properties	Contains gas under pressure; may explode if heated.
	Oxidising properties	Not oxidising.
9.2	Other information	
	Organic solvents	94.5%
	Solid Content	5.5%

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No hazardous reaction known if used for its intended purpose.
10.4	Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
10.5	Incompatible materials	None anticipated.
10.6	Hazardous Decomposition Product(s)	No hazardous decomposition products known.



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11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Mixtures	
	Acute toxicity	
	Inhalation	May cause drowsiness or dizziness.
	Irritation	Causes serious eye irritation.
	Corrosivity	Not classified.
	Sensitisation	It is not a skin sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity. No components are listed as a carcinogens or suspected carcinogens.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
	Aspiration hazard	None anticipated.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	The product is not biodegradable. The product is likely to persist in the environment.
12.3	Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4	Mobility in soil	Immiscible with water. The product is predicted to have low mobility in soil.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1950
14.2	UN Proper Shipping Name	
	ADR/RID/ADN/IMDG	AEROSOLS.
	ICAO/IATA	AEROSOLS, FLAMMABLE.
14.3	Transport hazard class(es)	
	ADR/RID	2 (5F Gases)
	IMDG/ICAO/IATA	2.1
14.4	Packing Group	None.
14.5	Environmental hazards	Not classified as a Marine Pollutant.
14.6	Special precautions for user	Warning: Gases.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	
	IMDG Code	EmS: F-D, S-U
	Tunnel Restriction Code	D/E

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15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP); Draft: 26/03/2014	All chemicals are not listed.
15.1.2	National regulations	
	Wassergefährdungsklasse (Germany)	WGK 1 (Low hazard to waters).
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADN	Accord européen relative au transport international des marchandises Dangereuses par voies de Navigation interieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
WGK	Wassergefährdungsklasse (German Water Hazard Classes)
Aerosol 1	Aerosol Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Flam. Gas 1	Flammable gas Category 1
Flam. Liq. 2	Flammable liquid Category 2
Press. Gas	Gases under pressure

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Hazard Statement(s) and Precautionary Statement(s)

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P312	Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard Pictogram(s)

GHS02



GHS04



GHS07



Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.