

Solvent Spotter Gel

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Revision date: 21/01/2015

Date of issue: 14/01/2015

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product Name : Solvent Spotter Gel
Product code : C110, C110-CS

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Suspends oil-based spots and stains

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Harris Research, Inc.
1530 North 1000 West
Logan, UT 84321 USA
(435)755-0099

www.chemdry.com

Chem-Dry France

Parc d'activites "Le Prieure"
RuePaulin Viry
37530 Poce-sur-Cisse
+33 761 8906 79

a.baba@chemdry-france.fr

Chem-Dry Luxembourg S.A

Rue De La Continentale
Zac Zaemer
Bascharage, L-4917
652 26 35 00 20
info@chemdry.lu

Portugal/Angola

Ambiclean-Limpeza De Alcatifas, LDA
Rua Samaora Machel N 3-D
Urbanizacoa Alto Da Eira
Sta Iria Da Azoia, 2695-395
351 21 953 00 33
info@chemdryportugal.com

UK/England/Scotland/Wales

Chem-Dry® Franchising Ltd.
Belprin Road
Beverly, East Yorkshire HU17 0LP
44 01482 678 645
e.info@chemdry.co.uk

1.4. Emergency telephone number

Emergency number : **Chemtrec (USA only):** (800) 424-9300
Chemtrec (outside USA): +1 703-527-3887

Europe: 112
Belgium: Poison Center (BE): +32 70 245 245
Denmark: Poison Control Hotline (DK): +45 82 12 12 12
France: ORFILA (FR): +01 45 42 59 59
Germany: Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240 (24h available English/German)
Ireland: National Poisons Information Centre (IE): +353 1 8379964
Luxembourg: 112
Netherlands: National Poisons Information Center (NL): +31 30 274 88 88

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	(NB: this service is only available to health professionals)
Norway:	Posions Information (NO): +47 22 591300
Portugal:	Poison Information Center (PT): +351 21 330 3284
Sweden:	Poisons Information Center (SV): +46 8 33 12 31
Switzerland:	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom:	NHS Direct (UK): +44 (0) 845 46 47; 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Dam. 1	H318
Skin Sens. 1	H317
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

R10

Xi; R38

Xi; R41

R43

N; R50/53

Xn; R65

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P261 - Avoid breathing mist, spray, vapours.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.

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P331 - Do NOT induce vomiting.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO₂) to extinguish.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other hazards

Other hazards not contributing to the classification : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Terpenes and Terpenoids, sweet orange-oil	(CAS No) 68647-72-3 (EC no) 614-678-6	30 - 40	R10 Xi; R38 R43 Xn; R65 N; R50/53
Alcohols, C12-14-secondary, ethoxylated	(CAS No) 84133-50-6 (EC no) 617-534-0	3 - 3,5	N; R50 Xi; R38 Xi; R41
Acrylic resin	(CAS No) 9003-01-4 (EC no) 618-347-7	0,5 - 1	Xi; R36/37/38
Boric acid (H ₃ BO ₃) substance listed as REACH Candidate (Boric acid)	(CAS No) 10043-35-3 (EC no) 233-139-2 (EC index no) 005-007-00-2	0,3	Repr.Cat.1; R60 Repr.Cat.1; R61
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	0,1 - 0,2	C; R35 Xi; R41
Polyethylene glycol	(CAS No) 25322-68-3 (EC no) 500-038-2	<= 0,1	Xi; R37
Name	Product identifier	Specific concentration limits	
Boric acid (H ₃ BO ₃)	(CAS No) 10043-35-3 (EC no) 233-139-2 (EC index no) 005-007-00-2	(C >= 5,5) R60-R61	
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	(0,5 <= C < 2) Xi;R36/38 (2 <= C < 5) C;R34 (C >= 5) C;R35	

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Terpenes and Terpenoids, sweet orange-oil	(CAS No) 68647-72-3 (EC no) 614-678-6	30 - 40	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alcohols, C12-14-secondary, ethoxylated	(CAS No) 84133-50-6 (EC no) 617-534-0	3 - 3,5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400
Acrylic resin	(CAS No) 9003-01-4 (EC no) 618-347-7	0,5-1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Boric acid (H3BO3) substance listed as REACH Candidate (Boric acid)	(CAS No) 10043-35-3 (EC no) 233-139-2 (EC index no) 005-007-00-2	0,3	Repr. 1B, H360FD
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	0,1 - 0,2	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Polyethylene glycol	(CAS No) 25322-68-3 (EC no) 500-038-2	<= 0,1	STOT SE 3, H335
Name	Product identifier		Specific concentration limits
Boric acid (H3BO3)	(CAS No) 10043-35-3 (EC no) 233-139-2 (EC index no) 005-007-00-2		(C >= 5,5) Repr. 1B, H360FD
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6		(0,5 <= C < 2) Eye Irrit. 2, H319 (0,5 <= C < 2) Skin Irrit. 2, H315 (2 <= C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).
- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. . Ventilate the area.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if redness, pain, or irritation occurs.
- First-aid measures after ingestion : Immediately call a POISON CENTER or doctor/physician. Rinse mouth. DO NOT induce vomiting. If vomiting occurs, keep head below waistline.

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

- Symptoms/injuries : Causes serious eye damage. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness and dizziness. May cause genetic defects. May cause cancer.
- Symptoms/injuries after inhalation : May cause respiratory irritation. May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction. Symptoms may include redness, pain, swelling, itching, burning, dryness, and dermatitis.

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- Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms may include redness, pain, swelling, itching, burning, tearing, and blurred vision.
- Symptoms/injuries after ingestion : Ingestion is likely to be harmful or have adverse effects. May be fatal if swallowed and enters airways.
- Chronic symptoms : Chronic exposure causes liver and kidney damages.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
- Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Flammable liquid and vapor.
- Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : Reacts violently with strong oxidisers. Increased risk of fire or explosion.
- Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Hydrocarbons. Smoke. Irritating fumes.

5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Under fire conditions, hazardous fumes will be present. Under fire conditions closed containers may rupture or explode.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Closed containers exposed to heat may explode. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not allow run-off from firefighting to enter drains or water sources.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapour, mist, dust, or spray. Avoid all contact with skin, eyes, or clothing. Use special care to avoid static electric charges. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Eliminate ignition sources. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Contact competent authorities after a spill.

6.4. Reference to other sections

See heading 8, Exposure Controls and Personal Protection. For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Precautions for safe handling : Use only non-sparking tools. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes, and clothing. Avoid breathing vapour, mist, or spray. Use appropriate personal protection equipment (PPE).

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, and lighting equipment. Ensure adequate ventilation.

Storage conditions : Store in a cool, dry, well-ventilated place. Keep containers tightly closed. Do not store near heat, flame, or other potential ignition sources (including static discharges). Do not store with oxidizers. Do not store in unlabeled containers. Ground all equipment containing this material. All electrical equipment in areas where this material is stored or handled must meet all applicable requirements. Store and transport in accordance with all applicable laws. Keep/Store away from direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

7.3. Specific end use(s)

Suspends oil-based spots and stains.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Boric acid (H3BO3) (10043-35-3)		
Belgium	Limit value (mg/m ³)	2 mg/m ³
Belgium	Short time value (mg/m ³)	6 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	5,0 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	0,5 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (inhalable fraction)
USA ACGIH	ACGIH STEL (mg/m ³)	6 mg/m ³ (inhalable fraction)
Latvia	OEL TWA (mg/m ³)	10 mg/m ³
Spain	VLA-ED (mg/m ³)	2 mg/m ³ (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-EC (mg/m ³)	6 mg/m ³
Switzerland	VLE (mg/m ³)	10 mg/m ³ (inhalable)
Switzerland	VME (mg/m ³)	10 mg/m ³ (inhalable)
Lithuania	IPRV (mg/m ³)	10 mg/m ³
Portugal	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable fraction)
Portugal	OEL STEL (mg/m ³)	6 mg/m ³ (inhalable fraction)
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen
Polyethylene glycol (25322-68-3)		
Austria	MAK (mg/m ³)	1000 mg/m ³ (average molecular weight 200-400-inhalable fraction)

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Polyethylene glycol (25322-68-3)		
Austria	MAK Short time value (mg/m ³)	4000 mg/m ³ (average molecular weight 200-400-inhalable fraction)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1000 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, average molecular weight 200-400-inhalable fraction)
Switzerland	VME (mg/m ³)	1000 mg/m ³ (average MW 200-600)
Slovakia	NPHV (priemerná) (mg/m ³)	1000 mg/m ³
Slovakia	NPHV (Hraničná) (mg/m ³)	8000 mg/m ³
Slovenia	OEL TWA (mg/m ³)	1000 mg/m ³ (inhalable fraction, MW 200-400)
Slovenia	OEL STEL (mg/m ³)	4000 mg/m ³ (MW 200-400-inhalable fraction)
Acrylic resin (9003-01-4)		
Switzerland	VLE (mg/m ³)	0,05 mg/m ³ (interlaced, neutralized-respirable)
Switzerland	VME (mg/m ³)	0,05 mg/m ³ (interlaced, neutralized-respirable)
Sodium hydroxide (1310-73-2)		
Austria	MAK (mg/m ³)	2 mg/m ³ (inhalable fraction)
Austria	MAK Short time value (mg/m ³)	4 mg/m ³ (inhalable fraction)
Bulgaria	OEL TWA (mg/m ³)	2,0 mg/m ³ (aerosol)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	2 mg/m ³
France	VME (mg/m ³)	2 mg/m ³
Greece	OEL TWA (mg/m ³)	2 mg/m ³
Greece	OEL STEL (mg/m ³)	2 mg/m ³
USA ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
Latvia	OEL TWA (mg/m ³)	0,5 mg/m ³
Spain	VLA-EC (mg/m ³)	2 mg/m ³
Switzerland	VLE (mg/m ³)	2 mg/m ³ (inhalable)
Switzerland	VME (mg/m ³)	2 mg/m ³ (inhalable)
United Kingdom	WEL STEL (mg/m ³)	2 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	1 mg/m ³
Estonia	OEL TWA (mg/m ³)	1 mg/m ³
Estonia	OEL Ceiling (mg/m ³)	2 mg/m ³
Finland	HTP-arvo (15 min)	2 mg/m ³
Hungary	AK-érték	2 mg/m ³
Hungary	CK-érték	2 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	2 mg/m ³
Lithuania	NRV (mg/m ³)	2 mg/m ³
Norway	Gjennomsnittsverdier (Takverdi) (mg/m ³)	2 mg/m ³
Poland	NDS (mg/m ³)	0,5 mg/m ³
Poland	NDSch (mg/m ³)	1 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	2 mg/m ³
Slovenia	OEL TWA (mg/m ³)	2 mg/m ³ (inhalable fraction)
Slovenia	OEL STEL (mg/m ³)	2 mg/m ³ (inhalable fraction)
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³ (inhalable dust)
Sweden	takgränsvärde (TGV) (mg/m ³)	2 mg/m ³ (inhalable dust)
Portugal	OEL - Ceilings (mg/m ³)	2 mg/m ³

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8.2. Exposure controls

Appropriate engineering controls	: Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide sufficient ventilation to keep vapours below permissible exposure limit. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour or mists below the applicable workplace exposure limits. Gas detectors should be used when flammable gases or vapours may be released.
Personal protective equipment	: Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.
	
Materials for protective clothing	: Wear fire/flamm resistant/retardant clothing.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Chemical safety goggles.
Skin and body protection	: Wear fireproof clothing.
Respiratory protection	: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
Environmental exposure controls	: Do not allow the product to be released into the environment.
Consumer exposure controls	: Do not eat, drink, or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White
Odour	: Orange Aroma
Odour threshold	: No data available
pH	: 8,5 - 9,5
Evaporation rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 44,4 °C (PMCC) (111,92 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 4,7 (Air = 1)
Relative density	: 0,94 g/ml (Water = 1)
Solubility	: Water: Miscible
Partition coefficient: n-octanol/water	: No data available
Viscosity	: 20000 cP
Explosive properties	: Risk of explosion if heated under confinement. Vapours may form explosive mixtures with air.
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 30 - 40%
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently with strong oxidisers. Increased risk of fire or explosion.

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10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Overheating. Ignition sources. Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Oxides of citrus terpenes, which may cause skin sensitization. Thermal decomposition may generate: Carbon oxides (CO, CO₂).

Hydrocarbons. Acrid smoke and irritating fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Boric acid (H₃BO₃) (10043-35-3)

LD50 oral rat	2660 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 0,16 mg/l/4h

Alcohols, C12-14-secondary, ethoxylated (84133-50-6)

LD50 oral rat	2100 mg/kg
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Polyethylene glycol (25322-68-3)

LD50 oral rat	47000 mg/kg
LD50 dermal rabbit	> 20 ml/kg

Acrylic resin (9003-01-4)

LD50 oral rat	2500 mg/kg
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Skin corrosion/irritation	: Causes skin irritation. pH: 8,5 - 9,5
Serious eye damage/irritation	: Causes serious eye damage. pH: 8,5 - 9,5
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Acrylic resin (9003-01-4)

IARC group	3
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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Boric acid (H₃BO₃) (10043-35-3)

EC50 Daphnia 1	115 - 153 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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Alcohols, C12-14-secondary, ethoxylated (84133-50-6)

LC50 fishes 1	3,7 (3 - 4) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 Daphnia 1	0,29 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Acrylic resin (9003-01-4)

LC50 fishes 1	580 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
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Sodium hydroxide (1310-73-2)	
LC50 fishes 1	45,4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	40 mg/l

12.2. Persistence and degradability

Solvent Spotter Gel	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Solvent Spotter Gel	
Bioaccumulative potential	Not established.

Boric acid (H3BO3) (10043-35-3)	
BCF fish 1	0
Log Pow	-0,757 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Boric acid (H3BO3) (10043-35-3)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Other information : Avoid release to the environment.






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

SECTION 14: Transport information

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
2319	2319	2319	2319	2319
14.2. UN proper shipping name				
TERPENE HYDROCARBONS, N.O.S. SOLUTION	TERPENE HYDROCARBONS, N.O.S. SOLUTION	TERPENE HYDROCARBONS, N.O.S. SOLUTION	TERPENE HYDROCARBONS, N.O.S. SOLUTION	TERPENE HYDROCARBONS, N.O.S. SOLUTION
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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According to Regulation (EC) No. 453/2010

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Solvent Spotter Gel
30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Toxic to Reproduction category 1A or 1B (Table 3.1) or Toxic to Reproduction category 1 or 2 (Table 3.2) and listed as follows: Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6	Boric acid (H3BO3)
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Solvent Spotter Gel

Contains substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Boric acid (EC 233-139-2, CAS 10043-35-3)

Contains no REACH Annex XIV substances

VOC content : 30 - 40 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date : 21/01/2015

Data sources : 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

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Met. Corr. 1	Corrosive to metals, Category 1
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Solvent Spotter Gel

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Skin Sens. 1	Sensitisation — Skin, category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H290	May be corrosive to metals
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
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
H360FD	May damage fertility. May damage the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R10	Flammable
R35	Causes severe burns
R36/37/38	Irritating to eyes, respiratory system and skin
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R60	May impair fertility
R61	May cause harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
C	Corrosive
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

Harris Research Inc EU GHS SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.