

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

7010
03 00

Revision Date Jun 19, 2014
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SECTION 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1. PRODUCT IDENTIFIER

7010
KRYLON® All Purpose Spray Adhesive

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Paint or Paint-related Material

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Krylon Products Group
Cleveland, OH 44115
e-mail address of competent person responsible for the SDS:

1.4. EMERGENCY TELEPHONE NUMBER

SECTION 2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

F+, N, Xn, R12, R36/38, R48/20, R51/53, R62, R65

Harmful

Dangerous for the environment

Extremely flammable

Extremely flammable.

Irritating to eyes and skin.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Possible risk of impaired fertility.

Harmful: may cause lung damage if swallowed.

2.2. LABEL ELEMENTS

Xn



Harmful

N



Dangerous for the environment

F+



Extremely flammable

R – PHRASES

R12	Extremely flammable.
R36/38	Irritating to eyes and 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.

S – PHRASES

S16	Keep away from sources of ignition - No smoking.
S2	Keep out of the reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S9	Keep container in a well-ventilated place.

Hazardous Ingredients

Hexane ; Toluene ;

Supplemental Label Elements

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Restricted to professional users.

2.3. OTHER HAZARDS

Not Available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. SUBSTANCES**

Not Available

3.2. MIXTURES

% by Weight	CAS Number	EC Number	REACH	EC CLASSIFICATION (67/548/EC, 1272/2008/EC)
10 - 25	74-98-6 Propane	200-827-9		F+;R12 Flam. Gas 1 H220, Press. Gas
10 - 25	106-97-8 Butane	203-448-7		F+;R12 Flam. Gas 1 H220, Press. Gas
25 - 50	110-54-3 Hexane	203-777-6		F;R11 Xi;R38 N;R51 R53 Repr.Cat.3;R62 Xn;R65 R48/20 R67 Aquatic Chronic 2 H411, Asp. Tox. 1 H304, Flam. Liq. 2 H225, Repr. 2 H361f, STOT RE 2 H373, STOT SE 3 H336, Skin Irrit. 2 H315
2,5 - 10	108-88-3 Toluene	203-625-9	01-2119471310-51	F;R11 Xi;R38 Xn;R48/20 R65 Repr.Cat.3;R63 R67 Asp. Tox. 1 H304, Flam. Liq. 2 H225, Repr. 2 H361d, STOT RE 2 H373, STOT SE 3 H336, Skin Irrit. 2 H315
10 - 25	67-64-1 Acetone	200-662-2	01-2119471330-49	F;R11 Xi;R36 R66 R67 Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H336

Substance meets the criteria for PBT-VPVB according to Regulation (EC) No. 1907/2006, Annex XIII

None

For the full text of the H-Statements and R-phrases mentioned in this section, see Section 16.

SECTION 4. FIRST-AID MEASURES**4.1. DESCRIPTION OF FIRST AID MEASURES**

Never give anything by mouth to an unconscious person.

If unconscious place in recovery position and seek medical advice.

EYES: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

SKIN: Remove contaminated clothing.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners.
Launder clothes before reuse.

INHALATION: Remove to fresh air, keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention.

INGESTION: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Keep at rest.
Do NOT induce vomiting.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

In all cases of doubt, or when symptoms persist, seek medical attention.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not Available

SECTION 5. FIRE-FIGHTING MEASURES**5.1. EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Cool closed containers exposed to fire with water.

Do not allow run-off from fire fighting to enter drains or water courses.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

5.3. ADVICE FOR FIREFIGHTERS

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Cool closed containers exposed to fire with water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Remove all sources of ignition. Ventilate the area.

Follow protective measures listed in Sections 7 and 8.

6.2. ENVIRONMENTAL PRECAUTIONS

Do not allow product to enter drains or waterways.

If the product enters drains or sewers, notify the local water authorities; in the case of contamination of streams, rivers or lakes contact the environmental authorities.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4. REFERENCE TO OTHER SECTIONS

Refer to emergency contacts in Section 1. Refer to protective measures in Section 8. For the waste regulations see Section 13.

SECTION 7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

Use only with adequate ventilation.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Wash hands after using.

Keep out of the reach of children.

Do not take internally.

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Use approved Bonding and Grounding procedures.

Ground containers during transfer operations and use only suitable containers for flammable liquids.

- Strong vigorous stirring or flow of the liquid through piping and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product.

- Open containers with caution because they may be under pressure.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

7.3. SPECIFIC END USE(S)

Paint or Paint-related Material

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

EH40/2005 WELs (UK 1/2012)

CAS Number	Ingredient	STEL		TWA		
		PPM	MG/M3	PPM	MG/M3	
106-97-8	Butane	GB	750	1810	600	1450
110-54-3	Hexane	GB	60	216	20	72
108-88-3	Toluene	GB	100	384	50	191
67-64-1	Acetone	GB	1500	3620	500	1210

Possibility of significant uptake through the skin

8.2. EXPOSURE CONTROLS

8.2.1. APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

8.2.2. INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

A) EYE/FACE PROTECTION

Wear safety spectacles with unperforated sideshields.

B) SKIN PROTECTION

I) HAND PROTECTION

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Gloves are not required for normal application of aerosol product where minimal skin contact is expected. For long or repeated contact wear a chemical resistant glove recommended by the European Solvent Industry Group (ESIG) and tested to EN-374-3.

II) OTHER

None

C) RESPIRATORY PROTECTION

If this product contains ingredients with exposure limits, workplace and/or biological monitoring may be required to determine the necessity for and effectiveness of the ventilation equipment, personal protective equipment, and other control measures. Refer to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and to national guidance documents for methods used for the determination of hazardous substance exposure.

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator.

We recommend either of the following:

- a half-mask respirator of type FFA2P3D EN 405 : 2001 + A1 : 2009

- a half-mask respirator with filters in accordance with EN140. For gases and vapours, use filters in accordance with A2 EN141 + EN 14387 : 2004 for protection against materials in Section 3.

D) THERMAL HAZARDS

Not Available

8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS

Not Available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	
ODOUR	Paint	
ODOUR THRESHOLD	Not tested due to nature of the product.	
pH	Not tested due to nature of the product.	
MELTING POINT	Not Available	
BOILING POINT	<-18 - 114 °C	<0 - 238 °F
FLASH POINT	-29 °C	-20 °F
EVAPORATION RATE	Faster than ether	
FLAMMABILITY	Not tested due to nature of the product.	
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	12.8% / 1%	
VAPOUR PRESSURE	Not tested due to nature of the product.	
VAPOR DENSITY	Heavier than air	
RELATIVE DENSITY	0.69	
SOLUBILITY(IES)	Not tested due to nature of the product.	
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not tested due to nature of the product.	
AUTO-IGNITION TEMPERATURE	Not tested due to nature of the product.	
DECOMPOSITION TEMPERATURE	Not tested due to nature of the product.	
VISCOSITY	Not tested due to nature of the product.	
EXPLOSIVE PROPERTIES	Not tested due to nature of the product.	
OXIDISING PROPERTIES	Not tested due to nature of the product.	
PRODUCT WEIGHT	691 g/l	5.77 lb/gal
VOLATILE VOLUME	88%	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)		
Volatile Weight 83.50%	Less Water and Federally Exempt Solvents	

9.2. OTHER INFORMATION

Not Available

SECTION 10. STABILITY AND REACTIVITY

10.1. REACTIVITY

None known.

10.2. CHEMICAL STABILITY

Stable

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None known.

10.4. CONDITIONS TO AVOID

None known.

10.5. INCOMPATIBLE MATERIALS

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

SECTION 11. TOXICOLOGICAL INFORMATION**11.1. INFORMATION ON TOXICOLOGICAL EFFECTS****Acute Toxicity**

CAS Number	EC Number	Substance Name/Test Data
110-54-3	203-777-6	Hexane Dermal LD50 Rabbit 3000 mg/kg (Source: NLM_CIP); Inhalation LC50 Rat 48000 ppm 4 h (Source: NLM_CIP)
67-64-1	200-662-2	Acetone Inhalation LC50 Rat 50100 mg/m3 8 h
74-98-6	200-827-9	Propane Inhalation LC50 Rat 658 mg/L 4 h (Source: IUCLID)
106-97-8	203-448-7	Butane Inhalation LC50 Rat 658 g/m3 4 h (Source: NLM_CIP)
108-88-3	203-625-9	Toluene Dermal LD50 Rabbit 8390 mg/kg (Source: IUCLID); Inhalation LC50 Rat 12.5 mg/L 4 h (Source: IUCLID); Oral LD50 Rat 636 mg/kg (Source: IUCLID)

Skin Corrosion/Irritation

Not Available

Serious Eye Damage/Irritation

Not Available

Respiratory/Skin Sensitization

Not Available

Germ Cell Mutagenicity

Not Available

Carcinogenicity

Not Available

Reproductive Toxicity

Not Available

Aspiration Hazard

Not Available

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE**EYES:** Irritation.**SKIN:** Prolonged or repeated exposure may cause irritation.**INHALATION:** None generally recognized.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 3 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system
- the cardiovascular system
- the reproductive system

Prolonged and repeated exposure to Hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. This effect may be increased by the presence of Methyl Ethyl Ketone.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

SECTION 12. ECOLOGICAL INFORMATION

12.1. TOXICITY

CAS Number	EC Number	Substance Name/Test Data
110-54-3	203-777-6	Hexane 96 Hr LC50 Pimephales promelas: 2.1 - 2.98 mg/L [flow-through]
67-64-1	200-662-2	Acetone 5 Days LC50 Phasianus colchicus: >40000 ppm [Diet]; 5 Days LC50 Coturnix coturnix japonica: >40000 ppm [Diet] 48 Hr LC50 Eisenia foetida: 200 - 1000 µg/cm2 [filter paper] 96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L 48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L
108-88-3	203-625-9	Toluene 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static] 96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static] 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

Not Applicable

12.6. OTHER ADVERSE EFFECTS

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Methods of Disposal

Do not allow product to enter drains or waterways.

European Waste Catalogue (EWC)

08 01 11*: Waste paint and varnish containing organic solvents or other dangerous substances

This material and its container must be disposed of as hazardous waste. Dispose of as hazardous waste in compliance with local and national regulations.

Type of Packaging

15 01 04(metal)

15 01 02 (plastic)

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

Contaminated Packaging

15 01 10

Dispose of as unused product.

Do not burn, or use a cutting torch on, the empty drum.

Do not re-use empty containers.

Thermoset Plastic Waste

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

SECTION 14. TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	UN1950	UN1950	UN1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS, FLAMMABLE
14.3 Transport hazard class(es)	2.1	2.1	2.1

14.4 Packing group	Not Applicable	Not Applicable	Not Applicable
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	<u>Classification Code</u> 5F <u>Transport Category</u> 2 <u>ADR Tunnel Code</u> D	<u>Emergency schedules (EmS)</u> LIMITED QUANTITY, F-D, S-U May be shipped as Limited Quantity	LIMITED QUANTITY
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable	Not Applicable	Not Applicable
14.8 Technical Names	Not Applicable	Not Applicable	Not Applicable

SECTION 15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

Total volatile organic compounds (VOC): 83.50 %

Total volatile organic carbon: 65.45 %

For Italian Customers only – Classes of solvents according to Italian Legislative Decree 152/06 (Table D, Part II, Annex I)

Classification	%
5	20.0
4	3.9

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Restricted to professional users.

Annex XIV - List of substances subject to authorization, Substances of very high concern
None

15.2. CHEMICAL SAFETY ASSESSMENT

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16. OTHER INFORMATION

FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3.

(67/548/EC, 1272/2008/EC)

- R11 Highly flammable.
- R12 Extremely flammable.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51 Toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R62 Possible risk of impaired fertility.
- R63 Possible risk of harm to the unborn child.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

16.1. CHANGES SINCE LAST REVISION

INITIAL PUBLICATION.

BIBLIOGRAPHY:

Directive 1999/45/EC, and relative amendments & additions
Directive 67/548/EEC, and relative amendments & additions
Directive 96/82/EC, and relative amendments & additions
Directive 1999/45/EC, and relative amendments & additions
Directive 91/156/EC, and relative amendments & additions
Directive 2000/39/EC, and relative amendments & additives
Regulation (EC) No. 1907/2006, and relative amendments & additions
Regulation (EC) No. 1272/2008, and relative amendments & additions
Regulation (EU) No. 453/2010, and relative amendments & additions
CEPE Guide to Labelling and Packaging of Dangerous Preparations
Dangerous Good Regulation (IATA)
International Maritime Dangerous Goods Code (IMDG)
International Carriage of Dangerous Goods by Road (ADR)
EH40/2005 Workplace exposure limits
Hazard Information and Packaging for Supply) Regulations 2009
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.