



## Safety Data Sheet according to (EC) No 1907/2006

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HYSOL XEA 9689L 25% GAL

sds no. : 235379  
V002.1

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

**Product identifier:**

HYSOL XEA 9689L 25% GAL

**Relevant identified uses of the substance or mixture and uses advised against:**

Intended use:  
Primer

**Details of the supplier of the safety data sheet:**

Henkel Ireland Limited  
Product Safety & Regulatory Affairs  
Tallaght Business Park, Whitestown  
Dublin 24

Ireland

Phone: +353 (14046444)  
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ua-productsafety.uk@uk.henkel.com

**Emergency Telephone Number:**

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

**Classification of the substance or mixture:**

**Classification (DPD):**

F - Highly flammable  
R11 Highly flammable.  
Sensitizing  
R43 May cause sensitisation by skin contact.  
Xi - Irritant  
R36 Irritating to eyes.  
Dangerous for the environment  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

**Label elements (DPD):**

F - Highly flammable



Xi - Irritant



**Risk phrases:**

- R11 Highly flammable.
- R36 Irritating to eyes.
- R43 May cause sensitisation by skin contact.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

**Safety phrases:**

- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S33 Take precautionary measures against static discharges.
- S36/37 Wear suitable protective clothing and gloves.
- S60 This material and its container must be disposed of as hazardous waste.

**Additional labeling:**

Contains epoxy constituents. See information supplied by the manufacturer.

**Contains:**

RP Bisphenol F-epichlorohydrin resin, MW<=700

**Other hazards:**

None if used properly.

**SECTION 3: Composition/information on ingredients**

**General chemical description:**

Primer, containing solvents

**Base substances of preparation:**

organic solvent  
organic polymers  
organic amine

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Butanone 78-93-3	201-159-0	60- 80 %	Flammable liquids 2 H225 Specific target organ toxicity - single exposure 3 H336 Serious eye irritation 2 H319  EUH066
Benzenamine, 3,3'-sulfonylbis- 599-61-1	209-967-5	1- 5 %	Skin irritation 2 H315 Eye Damage/Irritation 2 H319 Specific target organ toxicity - single exposure 3 H335
Bisphenol-A epichlorhydrin resin MW <= 700 25068-38-6		0,1- 1 %	Chronic hazards to the aquatic environment 2 H411 Serious eye irritation 2 H319 Skin irritation 2 H315 Skin sensitizer 1 H317

**Only dangerous ingredients for which a CLP classification is already available are displayed in this table. For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.**

**Declaration of ingredients according to DPD (EC) No 1999/45:**

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Butanone 78-93-3	201-159-0	60 - 80 %	F - Highly flammable; R11 R67 Xi - Irritant; R36 R66
RP Bisphenol F-epichlorohydrin resin, MW<=700 28064-14-4		5 - 10 %	Xi - Irritant; R36/38, R43 N - Dangerous for the environment; R51/53
Benzenamine, 3,3'-sulfonylbis- 599-61-1	209-967-5	1 - 5 %	Xi - Irritant; R36/37/38
Bisphenol-A epichlorhydrin resin MW <= 700 25068-38-6		0,1 - 1 %	N - Dangerous for the environment; R51, R53 R43 Xi - Irritant; R36/38

**For full text of the R-Phrases indicated by codes see section 16 'Other Information'. Substances without classification may have community workplace exposure limits available.**

**SECTION 4: First aid measures****Description of first aid measures:****Inhalation:**

Move to fresh air, consult doctor if complaint persists.

**Skin contact:**

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

**Eye contact:**

Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.

**Ingestion:**

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

**Most important symptoms and effects, both acute and delayed:**

EYE: Irritation, conjunctivitis.

SKIN: Rash, Urticaria.

Vapors may cause drowsiness and dizziness.

**Indication of any immediate medical attention and special treatment needed:**

See section: Description of first aid measures

### SECTION 5: Firefighting measures

**Extinguishing media:**

**Suitable extinguishing media:**

Carbon dioxide, foam, powder

Fine water spray

In case of fire, keep containers cool with water spray.

**Extinguishing media which must not be used for safety reasons:**

Water jet (solvent-containing product).

**Special hazards arising from the substance or mixture:**

Can form explosive gas/air mixtures.

See section 10.

**Advice for firefighters:**

Wear self-contained breathing apparatus.

Keep personnel upwind of fire.

### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Keep unprotected persons away.

Remove sources of ignition.

Ensure adequate ventilation.

Wear protective equipment.

**Environmental precautions:**

Do not empty into drains / surface water / ground water.

Collect contaminated washing water for appropriate disposal.

Inform authorities in the event of product spillage to water courses or sewage systems.

**Methods and material for containment and cleaning up:**

Remove mechanically.

For small spills wipe up with paper towel and place in container for disposal.

Wipe up using absorbent material and subject to waste incineration.

Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up.

Dispose of contaminated material as waste according to Chapter 13.

**Reference to other sections:**

See advice in chapter 8

### SECTION 7: Handling and storage

**Precautions for safe handling:**

Do not spray onto flames or red-hot objects.

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.

See advice in chapter 8

Take measures to prevent the build-up of electrostatic charges.

**Hygiene measures:**

Wash hands before work breaks and after finishing work.  
Do not eat, drink or smoke while working.  
Use only in well-ventilated areas.  
Avoid spraying/aerosol generation.

**Conditions for safe storage, including any incompatibilities:**

Store in sealed original container.  
Close the container carefully after use and store it at a good ventilated place.  
Ensure that storage and workrooms are adequately ventilated.  
Must be stored in a room with spill collection facilities.  
Keep away from heat and direct sunlight.  
Take precautionary measures against static discharges during storage and transport.  
Do not store near sources of heat or ignition, or reactive materials.

**Specific end use(s):**

Primer

**SECTION 8: Exposure controls/personal protection****Control parameters:**

Valid for  
Great Britain

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	300	899	Short Term Exposure Limit (STEL):		EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3			Skin designation:	Can be absorbed through the skin.	EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	200	600	Time Weighted Average (TWA):		EH40 WEL
BUTANONE 78-93-3	200	600	Time Weighted Average (TWA):	Indicative	ECLTV
BUTANONE 78-93-3	300	900	Short Term Exposure Limit (STEL):	Indicative	ECLTV

**Exposure controls:****Engineering controls:**

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Suitable respiratory protection:**

Use filter A-P2 if vapours/aerosols occur which may be inhaled.

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$  0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:  
Protective goggles  
and/or  
facial protection

Skin protection:  
Wear protective equipment.  
Protective clothing that covers arms and legs.  
apron  
protective boots

Advices to personal protection equipment:  
Wash off any dirt that gets onto the skin with lots of soap and water, skin care.  
Do not breathe dust and vapors.  
Do not eat, drink or smoke while working.  
Use solvent-resistant skin protection cream.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties:

Appearance	liquid liquid green
Odor	of solvent
pH	No data available / Not applicable
Initial boiling point (1.013 hPa)	80 °C (176 °F)
Flash point	-5,0 °C (23 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	0,88 g/cm <sup>3</sup>
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Partially miscible
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	
lower	1,5 % (V)
upper	12,6 % (V)
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	2,5 Estimated
Oxidising properties	No data available / Not applicable

### Other information:

No data available / Not applicable

## SECTION 10: Stability and reactivity

### Reactivity:

Reaction with strong oxidants.

### Chemical stability:

Stable under recommended storage conditions.

**Possibility of hazardous reactions:**

See section reactivity

**Conditions to avoid:**

Vapours may form explosive mixture with air.  
Spray mist may be flammable at temperatures below the flash point.  
Heat, flames, sparks and other sources of ignition.  
Take measures to prevent the build-up of electrostatic charges.

**Incompatible materials:**

None if used properly.

**Hazardous decomposition products:**

Hydrocarbons  
Irritating organic vapours.  
carbon oxides.  
nitrogen oxides  
Traces of  
Bromine compounds  
See section 5.

**SECTION 11: Toxicological information****General toxicological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Inhalative toxicity:**

Vapors may cause drowsiness and dizziness.

**Skin irritation:**

slightly irritating, does not require labeling.  
Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

**Eye irritation:**

Irritating to eyes.

**Sensitizing:**

May cause sensitization by skin contact.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Butanone 78-93-3	LD50 LC50 LD50	2.600 - 5.400 mg/kg > 5000 ppm 6.400 - 8.000 mg/kg	oral inhalation dermal	6 h	rat rat rabbit	

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	moderately irritating		rabbit	

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Butanone 78-93-3	not sensitising	Guinea pig maximisation test	guinea pig	

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Butanone 78-93-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Bisphenol-A epichlorhydrin resin MW <= 700 25068-38-6	positive	bacterial reverse mutation assay (e.g Ames test)	with and without		

**Repeated dose toxicity**

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Butanone 78-93-3	NOAEL=2500 ppm	inhalation	90 days 6 hours/day, 5 days/week	rat	

**SECTION 12: Ecological information****General ecological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.  
If used properly the product does not enter the drains.

**Ecotoxicity:**

Harmful to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.  
Do not empty into drains / surface water / ground water.

**Mobility:**

Cured adhesives are immobile.

**Persistence and Biodegradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Butanone 78-93-3	LC50	3.220 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butanone 78-93-3	EC50	5.091 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butanone 78-93-3	EC50	> 1.000 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Butanone 78-93-3	readily biodegradable	aerobic	> 60 %	

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Butanone 78-93-3	0,29					

**SECTION 13: Disposal considerations****Waste treatment methods:**

Product disposal:

Special waste incineration with the approval of the responsible local authority.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

14 06 03 - other solvents and solvent mixtures

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

**SECTION 14: Transport information****Road transport ADR:**

Class: 3  
Packaging group: II  
Classification code: F1  
Hazard ident. number: 33  
UN no.: 1866  
Label: 3  
Technical name: RESIN SOLUTION  
Tunnelcode: (D/E)  
Additional information: Special provision 640D

**Railroad transport RID:**

Class: 3  
Packaging group: II  
Classification code: F1  
Hazard ident. number: 33  
UN no.: 1866  
Label: 3  
Technical name: RESIN SOLUTION  
Tunnelcode:  
Additional information: Special provision 640D

**Inland water transport ADN:**

Class: 3  
Packaging group: II  
Classification code: F1  
Hazard ident. number:  
UN no.: 1866  
Label: 3  
Technical name: RESIN SOLUTION  
Additional information: Special provision 640D

**Marine transport IMDG:**

Class: 3  
Packaging group: II  
UN no.: 1866  
Label: 3  
EmS: F-E ,S-E  
Seawater pollutant: -  
Proper shipping name: RESIN SOLUTION

**Air transport IATA:**

Class: 3  
Packaging group: II  
Packaging instructions (passenger) 353  
Packaging instructions (cargo) 364  
UN no.: 1866  
Label: 3  
Proper shipping name: Resin solution

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

VOC content 75 %  
(1999/13/EC)

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R11 Highly flammable.
- R36 Irritating to eyes.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R36/38 Irritating to eyes and skin.
- R43 May cause sensitisation by skin contact.
- R51 Toxic to aquatic organisms.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53 May cause long-term adverse effects in the aquatic environment.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

- EUH066 Repeated exposure may cause skin dryness or cracking.
- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.