SECTION 1 – GENERAL INFORMATION

MANUFACTURER'S NAME: HYLOMAR LTD

TRADE NAME & SYNONYMS: HYLOMAR AERO GRADE ULTRA PL32A PROPER SHIPPING NAME: ADHESIVES SHELF LIFE: 2 YEARS

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification F;R11, Xi;R36, R66-67

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards			
Flammable liquids		Category 2	H225 - Highly flammable liquid and vapour.
Health hazards			
Serious eye damage/ey	e irritation	Category 2	H319 - Causes serious eye irritation.
Specific target organ to exposure	kicity - single	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Hazard summary			
Physical hazards	Highly flamma	ible.	
Health hazards	Irritating to ey drowsiness ar		dryness or cracking. Vapours may cause
Environmental hazards	Not classified	for hazards to the environment.	
Specific hazards	Highly flamma	ble. Irritating to eyes. Dries out the skin.	
Main symptoms		es and mucous membranes. Vapours ma repeated skin contact may cause drying,	

2.2 LABEL ELEMENTS

Label according to Regulation (EC) No. 1272/2008 as amended

Acetone

CONTAINS:

Hazard pictograms



Danger

Signal word Hazard statements

H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (CONT)

Precautionary statements	
Prevention	P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P261 - Avoid breathing mist or vapour. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response	P370 + P378 - In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
Storage	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	EUH066 - Repeated exposure may cause skin dryness or cracking.
2.3. Other hazards	None known.

SECTION 3 – COMPOSITION

eral information Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Acetone		25 - 50	67-64-1 200-662-2	-	606-001-00-8	#
Classification:	DSD:	F;R11, Xi;R36,	R66-67			
	CLP:	Flam. Liq. 2;H2	25, Eye Irrit. 2;H319,	STOT SE 3;H336		

#: This substance has been assigned Community workplace exposure limit(s). CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

Composition comments

The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4 - FIRST AID

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
4.1. Description of first aid meas	sures
Inhalation	Move into fresh air and keep at rest. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention if any discomfort continues.
Skin contact	Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists get medical attention.
Eye contact	Flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
4.2. Most important symptoms and effects, both acute and delayed	lrritation of eyes and mucous membranes. Vapours may cause drowsiness and dizziness. Prolonged or repeated skin contact may cause drying, cracking, or irritation.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.

SECTION 5 – FIREFIGHTING MEASURES

General fire hazards	The product is highly flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. Vapours are heavier than air and may travel along the ground to some distant source of ignition and flash back.
5.1. Extinguishing media Suitable extinguishing	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	g Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising	By heating and fire, harmful vapours/gases may be formed.
from the substance or mixtu	re
5.3. Advice for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special protective	s Selection of respiratory protection for firefighting: follow the general fire precautions indicated in
equipment for firefighter	the workplace.
Special fire fighting	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
procedures	Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

For non-emergency personnel	Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapours or mists. Avoid contact with skin and eyes.		
For emergency responders	Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this safety data sheet.		
6.2. Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or onto the ground.		
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources. Ventilate the area. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Wipe up spilled material and place in a suitable container for disposal.		
	Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the produc and place into a container for later disposal. Following product recovery, flush area with water.		
· · · · · · · · · · · · · · · · · · ·	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.		
	Never return spills in original containers for re-use.		
6.4. Reference to other	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.		
ECTION 7 - HANDLING AND) STORAGE		

handling	discharges. Ground container and transfer equipment to eliminate static electric sparks. Use non-sparking hand tools and explosion-proof electrical equipment. Use only outdoors or in a well-ventilated area. Avoid breathing mists or vapours. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid prolonged exposure. Wash thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Avoid release to the environment.
7.2. Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, spark, open flames and other sources of ignition. Store away from incompatible materials.
7.3. Specific end use(s)	Non-Setting and Non-Hardening Gasketing Compound,

SECTION 8 – PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	3620 mg/m3	
		1500 ppm	
	TWA	1210 mg/m3	
		500 ppm	
EU. Indicative Exposure Lim	it Values in Directives 91/322/EEC,	2000/39/EC, 2006/15/EC, 2009/161/EU	
Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	1210 mg/m3	
		500 ppm	
iological limit values	No biological exposure limits noted	for the ingredient(s).	
ecommended monitoring	Follow standard monitoring procedu	Ires.	
rocedures			
Derived no-effect level (DNEL)	Not available.		
Predicted no effect	Not available.		
concentrations (PNECs)			
3.2. Exposure controls			
Appropriate engineering controls		uipment. Provide adequate ventilation. Observe Occupational risk of inhalation of vapours. Provide easy access to water	
ndividual protection measures	such as personal protective equi	pment	
General information		ould be chosen according to the CEN standards and in	
Eye/face protection	If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.		
Skin protection			
- Hand protection	Wear protective gloves. Butyl rubber gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by th glove supplier.		
- Other	Normal work clothing (long sleeve	d shirts and long pants) is recommended.	
Respiratory protection	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).		
Thermal hazards	Not applicable.	····	
lygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.		
Environmental exposure	Environmental manager must be in	nformed of all major releases.	

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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Appearance	Blue thixotropic gel.
Physical state	Liquid.
Form	Thixotropic gel.
Colour	Blue.
Odour	Sweet. Ethereal.
Odour threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable.
Flash point	-17.0 °C (1.4 °F) Closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	4
Flammability limit - upper (%)	57
Vapour pressure	185 (20 °C/68 °F)
Vapour density	2 (Air = 1) (20 °C/68 °F)
Relative density	Light grade: 0.95 (20 °C/68 °F) Medium grade: 1.03 (20 °C/68 °F) Heavy grade: 1.10 (20 °C/68 °F)
Solubility(iė́s)	Slightly miscible.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not available.
Oxidizina properties	Not available.
9.2. Other information	
Explosive limit	Not available.
VOC (Weight %)	25 - 50 (Hylomar Test Method 1.1A Determination of Volatile Matter)
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SECTION 10 - STABILITY AND REACTIVITY

10.1. Reactivity	The product is stable and non reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Risk of ignition. Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11 - TOXICOLOGICAL INFORMATION

Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely rout	tes of exposure
Inhalation	Vapours may cause drowsiness and dizziness. In high concentrations, vapours may be irritating to the respiratory system.
Skin contact	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms	Irritation of eyes and mucous membranes. Vapours may cause drowsiness and dizziness. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

11.1. Information on toxicological effects

General information

Acute toxicity Components	May cause discomfort if swallowed. Species	Test results	
Acetone (CAS 67-64-1)	· · · ·		
Acute			
Dermal			
LD50	Rabbit	20 ml/kg	
Inhalation			
LC50	Rat	50 mg/l, 8 Hours	
Oral			
LD50	Rat	5800 mg/kg	
Skin corrosion/irritation	Prolonged or repeated skin contact may cause drying, cracking, or irritation.		
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory sensitisation	Not classified.		
Skin sensitisation	Not classified.		
Germ cell mutagenicity	Not classified.		
Carcinogenicity	Not classified.		
Reproductive toxicity	Not classified.		
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not classified.		
Mixture versus substance information	Not applicable.		
Other information	No other specific acute or chronic health imp	act noted.	

SECTION 12 – ECOLOGICAL INFORMATION

12.1. Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test results
Acetone (CAS 67-64-1)			
Aquatic			
Fish	LC50	Fathead minnow (Pimer	hales promelas) > 100 mg/l, 96 hours
12.2. Persistence and degradability	No data available.		
12.3. Bioaccumulative potentia	I		
Partition coefficient n-octanol/water (log Kow) Acetone (CAS 67-64-1)	-	-0.24	
Bioconcentration factor (BCF)	-0.24 Not available.		
. ,			
2.4. Mobility in soil	No data available.		
Mobility in general	The product is miscible with water. May spread in water systems.		
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.		
12.6. Other adverse effects	The produc	t contains volatile organic co	mpounds which have a photochemical ozone creation

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	
Residual waste	Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	08 04 09* The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Do not discharge into drains, water courses or onto the ground. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose of in accordance with local regulations.

SECTION 14 - TRANSPORTATION

ADR

14.1. UN number	UN1133
14.2. UN proper shipping	ADHESIVES.
name	
14.3. Transport hazard class	(es)
Class	3
Subsidiary risk	
Label(s)	3
Hazard No. (ADR)	33
Tunnel restriction code	D/E
14.4. Packing group	N
14.5. Environmental hazards	No.
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user 🧳	

SECTION 14 – TRANSPORTATION (CONT)

. RID 14.1. UN number UN1133 14.2. UN proper shipping ADHESIVES. name 14.3. Transport hazard class(es) Class 3 Subsidiary risk -Label(s) 3 11 14.4. Packing group 14.5. Environmental hazards No. 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user ADN 14.1. UN number UN1133 14.2. UN proper shipping ADHESIVES. 14.3. Transport hazard class(es) Class 3 Subsidiary risk Label(s) 3 14.4. Packing group н 14.5. Environmental hazards No. 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user ΙΑΤΑ 14.1. UN number UN1133 14.2. UN proper shipping Adhesives. name 14.3. Transport hazard class(es) Class 3 Subsidiary risk Label(s) 3 14.4. Packing group Ш 14.5. Environmental hazards No. 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user IMDG 14.1. UN number UN1133 14.2. UN proper shipping ADHESIVES. name 14.3. Transport hazard class(es) Class 3 Subsidiary risk -Label(s) 3 14.4. Packing group 11 14.5. Environmental hazards Marine pollutant No. EmS F-E. S-D 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user 14.7. Transport in bulk Not applicable. according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15 - REGULATORY INFORMATION (CONT)

15.1. Safety, health and envi	ironmental regulations/legislation specific for the substance or mixture
EU regulations	
•	5/2000 on substances that deplots the same layer. Among 1
	5/2009 on substances that deplete the ozone layer, Annex I
Not listed. Regulation (EC) No. 100	5/2009 on substances that deplete the ozone layer, Annex II
Not listed.	Sizous on substances that depicte the ozone layer, Annex n
	/2004 On persistent organic pollutants, Annex I as amended
Not listed.	
· · · · ·	/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amende
Not listed.	value concerning the expertance import of dangerous chemically simes if part if as among
	/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amende
Not listed.	
	/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amende
Not listed.	
	/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.	
	i/2006 Annex II Pollutant Release and Transfer Registry
Not listed.	······································
	7/2006, REACH Article 59(10) Candidate List as currently published by ECHA
Not listed.	
Authorisations	
Not listed. Restrictions on use	
	7/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Acetone (CAS 67-64-	
	the protection of workers from the risks related to exposure to carcinogens and mutagens at
Not listed.	
Directive 92/85/EEC: on t	the safety and health of pregnant workers and workers who have recently given birth or are
breastfeeding	
Not listed.	
Other EU regulations	
	so II) on the control of major-accident hazards involving dangerous substances
Not listed.	
Acetone (CAS 67-64-	e protection of the health and safety of workers from the risks related to chemical agents at work
	e protection of young people at work
Not listed.	
Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws.
.	This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives.
National regulations	Follow national regulation for work with chemical agents.
15.2. Chemical safety	No Chemical Safety Assessment has been carried out.

SECTION 16 – OTHER INFORMATION

List of abbreviations	CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC. DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. LD50: Lethal Dose, 50%.		
References	Not available.		
Information on evaluation method leading to the classification of mixture	The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12.		
Full text of any statements or R-phrases and H-statements			
under Sections 2 to 15	R11 Highly flammable.		
	R36 Irritating to eyes.		
	R66 Repeated exposure may cause skin dryness or cracking.		
	R67 Vapours may cause drowsiness and dizziness. H225 Highly flammable liquid and vapour.		
	H319 Causes serious eye irritation.		
	H336 May cause drowsiness or dizziness.		
Training information	Follow training instructions when handling this material.		

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