

Printing date 06/16/2021

#### **1** Identification

#### · Product identifier

- Trade name: ALT 130
- · Article number: 350-xxx-yyyU
- · Application of the substance / the mixture Priming
- Details of the supplier of the safety data sheet • Manufacturer/Supplier:

ALT Global, LLC 12 Dwight Place Fairfield, NJ 07004 USA Tel.: +1 973-287-6158 Fax: +1 973-287-6168 Internet: www.altglobal.com

#### · Information department:

Division product safety Mr. Bonyadlou Tel.: +1 973-287-6158 E-Mail: mbonyadlou@altglobal.com **Emergency telephone number:** 

For Chemical Emergency Spill Leak Fire Exposure or Accident Call CHEMTREC Day or Night

DOMESTIC NORTH AMERICA 800-424-9300

#### 2 Hazard(s) identification

#### · Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

#### · Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). **Hazard pictograms** 



· Signal word Danger

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· Hazard-determining components of labeling: methyl methacrylate Bisphenol-A-epichlorohydrin Neopentylglycol propoxylated diacrylate **Hazard statements** H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. **Precautionary statements** P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P261 Avoid breathing vapours. Wear protective clothing/ eye protection. P280 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P312 Call a poison center/doctor if you feel unwell. P403+P235 Store in a well-ventilated place. Keep cool. · Classification system: · NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)



· Other hazards

- · Results of PBT and vPvB assessment
- $\cdot$  PBT: Does not meet the PBT-criteria of Annex XIII of REACH (self assessment).
- · vPvB: Does not meet the vPvB-criteria of Annex XIII of REACH (self assessment).

#### 3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

<ul> <li>Dangerous components:</li> </ul>		
CAS: 80-62-6 Index number: 607-035-00-6	methyl methacrylate	25-50%
CAS: 25068-38-6 Index number: 603-074-00-8	Bisphenol-A-epichlorohydrin	25-50%
CAS: 84170-74-1	Neopentylglycol propoxylated diacrylate	≥0.1-≤0.5%

#### 4 First-aid measures

#### · Description of first aid measures

#### · General information:

Immediately remove any clothing soiled by the product. Take affected persons out of danger area and lay down. Involve doctor immediately.

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• After inhalation:

In case of unconsciousness place patient stably in side position for transportation. Take affected persons into fresh air and keep quiet. Seek medical treatment.

#### · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed Headache Dizziness Skin sensitization.

Irritant to skin, eyes and respiratory system.

Indication of any immediate medical attention and special treatment needed

After inhalation, even in the absence of signs of disease, inhaled corticosteroid (eg Ventolair) give.

#### 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: CO<sub>2</sub>, sand, extinguishing powder, foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NOx)

Vapours are heavier than air.

Crawling vapors can result in greater distance from the ignition!

- Advice for firefighters
- Protective equipment:
- Wear fully protective suit.

Wear self-contained respiratory protective device.

• Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

#### 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation



Keep away from ignition sources

Use respiratory protective device against the effects of fumes/dust/aerosol.

- Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
- Inform respective authorities in case of seepage into water course or sewage system.
- Methods and material for containment and cleaning up: Do not flush with water or aqueous cleansing agents

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).



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See Section	e to other sections on 7 for information on safe handling. on 8 for information on personal protection equipment.	(Contd. of page 3)
	on 13 for disposal information.	
	e Action Criteria for Chemicals	
· PAC-1:		
80-62-6	methyl methacrylate	17 ppm
111-66-0	oct-1-ene	40 ppm
· PAC-2:		
80-62-6	methyl methacrylate	120 ppm
111-66-0	oct-1-ene	800* ppm
· PAC-3:		
80-62-6	methyl methacrylate	570 ppm
111-66-0	oct-1-ene	2000* ppm

#### 7 Handling and storage

· Handling:

· Precautions for safe handling

Cool down container when heated. Cool containers exposed to heat with water. Emergency cooling must be provided in the event of an ambient fire. Keep container tightly closed to prevent heat build up (pressure increase). Avoid heat.

Do not refill residue into storage receptacles.

Ensure good ventilation/exhaustion at the workplace.

at least 7-fold air changes per hour

Information about protection against explosions and fires:

Highly volatile, flammable constituents are released during processing.

Keep ignition sources away - Do not smoke.

Fumes can combine with air to form an explosive mixture.

Only explosion-proof equipment.

Protect against electrostatic charges.

- Protect from heat.
- Conditions for safe storage, including any incompatibilities
   Storage:
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle. Store in a cool location.
- Information about storage in one common storage facility: Store away from oxidizing agents.
   Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Storage in a collecting room is required. Store under lock and key and with access restricted to technical experts or their assistants only. max. Storage temperature 30 ° C Protect from heat and direct sunlight.
   Specific end use(s) Building coating or sealing.

#### Specific end use(s) building coaling of sealing.

#### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.



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#### · Control parameters

#### Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### 80-62-6 methyl methacrylate (25-50%)

PEL Long-term value: 410 mg/m<sup>3</sup>, 100 ppm

- REL Long-term value: 410 mg/m<sup>3</sup>, 100 ppm
- TLV Short-term value: 410 mg/m<sup>3</sup>, 100 ppm
- Long-term value: 205 mg/m³, 50 ppm DSEN

#### 8002-74-2 Paraffin waxes and Hydrocarbon waxes (<2.5%)

#### REL Long-term value: 2 mg/m<sup>3</sup>

TLV Long-term value: 2 mg/m<sup>3</sup>

• Additional information: The lists that were valid during the creation were used as basis.

- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Wash hands before breaks and at the end of work.
- Breathing equipment: Ensure good ventilation.
- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Check protective gloves prior to each use for their proper condition.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

#### Material of gloves



Butyl rubber gloves - butyl e.g. KCL BUTOJET

Recommended thickness of the material:  $\geq$  0.7 mm Breakthrough time:  $\geq$  480 min

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Our Recommendation is mainly on a one-time use as a short-term protection Liquid splashes. For other applications, you should contact a glove manufacturer.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Butyl rubber, BR

- For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR
- · Not suitable are gloves made of the following materials: Leather gloves
- · Eye protection:



Tightly sealed goggles

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· Body protection:



Protective work clothing

9 Physical and chemical prope	rties
<ul> <li>Information on basic physical and</li> <li>General Information</li> <li>Appearance:</li> <li>Form:</li> </ul>	chemical properties
Color:	Unpigmentiert
· Odor:	after MMA
· Odor threshold:	Not determined.
· pH-value:	Not determined.
<ul> <li>Change in condition Melting point/Melting range: Boiling point/Boiling range:</li> </ul>	Undetermined. Undetermined.
· Flash point:	12 °C (53.6 °F) (DIN EN ISO 3680)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	430 °C (806 °F) (MMA)
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible. Not determined.
<ul> <li>Explosion limits: Lower:</li> <li>Upper:</li> </ul>	1.7 Vol % (MMA) Not determined. 12.5 Vol % (MMA) Not determined.
· Vapor pressure:	Not determined.
<ul> <li>Density at 20 °C (68 °F):</li> <li>Evaporation rate</li> </ul>	1.04-1.06 g/cm³ (8.68-8.85 lbs/gal) (EN ISO 2811-1) Not determined.
<ul> <li>Solubility in / Miscibility with Water:</li> </ul>	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wat	<b>er):</b> log Pow: 1,38 (MMA)
<ul> <li>Viscosity: Dynamic at 20 °C (68 °F):</li> </ul>	80-140 mPas (EN ISO 2555)
<ul> <li>Solvent content: VOC content:</li> </ul>	0.00 % 0.0 g/l / 0.00 lb/gal
Solids content:	52.5-54.5 %
· Other information	No further relevant information available.
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#### 10 Stability and reactivity

- Reactivity see Section 10.2
- · Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- Possibility of hazardous reactions
- Exothermic reaction.

Reacts with peroxides and other radical forming substances.

A hazardous polymerization may occur after the exhaustion of the inhibitor.

- · Conditions to avoid Avoid heat. Avoid direct sunlight.
- · Incompatible materials: Heftige Reaktionen mit Peroxiden und anderen Reduktionsmittel
- · Hazardous decomposition products:

No dangerous decomposition prodocts used accordind to specifications.

Additional information:

Emergency procedures will vary depending on individual circumstances. The customer should have a contingency plan to the workplace may be present.

#### 11 Toxicological information

· Information on toxicological effects There were no toxicological findings to the mixture.

• Acute toxicity:

· LD/LC50	values the	at are relevant for classification:
ATE (Acu	te Toxicit	y Estimate)
Dermal	LC50	>173,913 mg/kg (rat)
Inhalative	LC50/4h	63.8 mg/l (rat)
80-62-6 m	ethyl me	thacrylate
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
	NOAEL	2,000 ppm (rat) drinking water, 6-2000 ppm Findings: No toxic effects
Dermal	LC50	>5,000 mg/kg (rabbit)
Inhalative	NOAEL	25 ppm (rat) 25 - 400 ppm Findings: Damage to mucous membranes in the nose at 400 ppm

LC50/4h 29.8 mg/l (rat)

25068-38-6 Bisphenol-A-epichlorohydrin

Oral LD50 >5,000 mg/kg (rat)

#### 84170-74-1 Neopentylglycol propoxylated diacrylate

Dermal LD50 >2,000 mg/kg (rat)

· Primary irritant effect:

· on the eye: Irritating effect.

· Sensitization: No sensitizing effects known.

• Other information (about experimental toxicology):

Due to the high vapor pressure is a harmful concentration in the air quickly been reached. At high concentrations can occur narcotic effect.

· Subacute to chronic toxicity: not tested

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· Addition	al toxicological information:	(Contd. of page 7)
· Carcinog	genic categories	
· IARC (In	ternational Agency for Research on Cancer)	
80-62-6	methyl methacrylate	3
128-37-0	Butylated hydroxytoluene	3
· NTP (Nat	tional Toxicology Program)	
None of t	he ingredients is listed.	
· OSHA-C	a (Occupational Safety & Health Administration)	
None of t	he ingredients is listed.	

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12	Eco	logi	cal	info	orma	tion

80-62-6 methyl m	nethacrvlate
	/l (Pseudomonas putida) (Cell proliferation inhibition test, Bringmann-Kühn)
Aquatic toxicity:	· · · · · · · · · · · · · · · · · · ·
80-62-6 methyl m	actheory data
EC50/48h	
	69 mg/l (daphnia magna) (OECD 202)
LC50/96h	>79 mg/l (Rainbow trout) (OECD 203)
ErC50/72h	>110 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC/72h	>110 mg/l (Selenastrum capricornutum) (OECD 201)
EC50/72h	>110 mg/l (Selenastrum capricornutum) (OECD 201)
NOEC	9.4 mg/l (Danio rerio) (OECD 210)
	fish early life stage test, 35 days
	37 mg/l (daphnia magna) (OECD 211)
	21 days
•	nenol-A-epichlorohydrin
. ,	1.7 mg/l (daphnia magna) (OECD 202, Acute Immobilisation Test)
, , ,	1.5 mg/l (fish) (OECD 203, Acute Toxicity Test)
NOEC/21d	0.3 mg/l (daphnia magna) (OECD 211, Reproduction Test)
,	9.4 mg/l (Alge (Desmodesmus subspicatus))
84170-74-1 Neop	entylglycol propoxylated diacrylate
EC50/48h	37 mg/l (daphnia magna)
LC50/96h	2.7 mg/l (Brachydanio rerio)
NOEC/72h	1 mg/l (Pseudokirchneriella subcapitata)
EC50/72h	3.4 mg/l (alga)
NOEC	25.3 mg/l (daphnia magna) (48 h)
	<b>degradability</b> Easily biodegradable <b>n</b> : The product is easily biodegradable.

· Behavior in environmental systems:

• **Bioaccumulative potential** No further relevant information available.

· Mobility in soil

MMA: Å binding to the solid phase of soil, sediment and sewage sludge is not expected. From the water surface the substance is slowly evaporated into the atmosphere. Where the substance into the environment he verleibt preferably in the compartment into which it has emerged.

· Additional ecological information:

· BSB5-value: 0.14 g/g (MMA)

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### · General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Danger to drinking water if even small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- **PBT:** Does not meet the PBT-criteria of Annex XIII of REACH (self assessment).

· vPvB: Does not meet the vPvB-criteria of Annex XIII of REACH (self assessment).

· Other adverse effects No further relevant information available.

#### 13 Disposal considerations

#### · Waste treatment methods

Hazardous waste according to Waste Catalogue (EWC). If recycling is not possible, waste must be in compliance with local regulations to be removed.

#### **Recommendation:**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncured product residues are special waste. Cured product residues are not hazardous waste.

#### · Uncleaned packagings:

Recommendation:

This product (liquid) and its container must be disposed of as hazardous waste. Disposal must be made according to official regulations.

UN-Number DOT, ADR, IMDG, IATA	UN1263
UN proper shipping name DOT ADR IMDG, IATA	Paint 1263 PAINT, special provision 640D PAINT
Transport hazard class(es)	
DOT	
Class	3 Flammable liquids
Label	3
ADR	
Class	3 (F1) Flammable liquids

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Label	3
Class Label	3 Flammable liquids 3
Packing group DOT, ADR, IMDG, IATA	11
Environmental hazards: Marine pollutant:	No
Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids 33 F-E, <u>S-E</u> B
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT Remarks:	Classification according to viscosity clause [(173.120 (2) (d) and 173.121 (b) (iv)]
ADR Excepted quantities (EQ) Remarks:	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml Classification according to viscosity clause (2.2.3.1.4) > 450 litres Packing group II
IMDG Limited quantities (LQ) Excepted quantities (EQ) Remarks:	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml Classification according to viscosity clause (2.3.2.2) > 450 litres Packing group II
UN "Model Regulation":	UN 1263 PAINT, SPECIAL PROVISION 640D, 3, II

### 15 Regulatory information

 $^{\rm \cdot}$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $^{\rm \cdot}$  Sara

<ul> <li>Section 355 (extremely hazardous substances):</li> </ul>	
None of the ingredient is listed.	
<ul> <li>Section 313 (Specific toxic chemical listings):</li> </ul>	
80-62-6 methyl methacrylate	
<ul> <li>TSCA (Toxic Substances Control Act):</li> </ul>	
80-62-6 methyl methacrylate	ACTIVE
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8002-74-2	Paraffin waxes and Hydrocarbon waxes	ACTIVE
1189-08-8	BDDMA	ACTIVE
84170-74-1	Neopentylglycol propoxylated diacrylate	ACTIVE
128-37-0	Butylated hydroxytoluene	ACTIVE
111-66-0	oct-1-ene	ACTIVE
·Hazardous	Air Pollutants	
80-62-6 me	thyl methacrylate	
Proposition	65	
· Chemicals	known to cause cancer:	
None of the	ingredients is listed.	
· Chemicals	known to cause reproductive toxicity for females:	
None of the	ingredients is listed.	
· Chemicals	known to cause reproductive toxicity for males:	
None of the	ingredients is listed.	
· Chemicals	known to cause developmental toxicity:	
None of the	ingredients is listed.	
· Canceroger	nity categories	
· EPA (Enviro	onmental Protection Agency)	
80-62-6 me	thyl methacrylate	E, NL
· TLV (Thres	hold Limit Value)	

80-62-6	methyl methacrylate	A4
128-37-0	Butylated hydroxytoluene	A4
· NIOSH-Ca	a (National Institute for Occupational Safety and Health)	
None of th	e ingredients is listed.	

· National regulations:

Information about limitation of use:

Employment restrictions concerning young persons must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **16 Other information**

These figures relate to the product as delivered.

Sector of Use

Relevant identified uses of the mixture

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU19 Building and construction work

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against

SU21 Consumer uses: Private households / general public / consumers

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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#### Training hints

Teaching about hazards and precautions to hand the operating instructions (Technical Rule 555). Instruction must take place before the start of employment and at least annually thereafter.

· Contact:

· Date of preparation / last revision 06/16/2021 / -

Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Flam. Liq. 2: Flammable liquids - Category 2 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Skin Sens. 1: Skin sensitisation – Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Sources www.gestis.de www.echa.eu logkow.cisti.nrc.ca

\* Data compared to the previous version altered.

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