

SAFETY DATA SHEET  
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015

**P-T 8-18 UNIVERSAL ACRYLIC THINNER FAST**

**1-IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Identification of the substance / mixture**

Product Name: **P-T 8-18 UNIVERSAL ACRYLIC THINNER FAST**

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

Identified uses: Refinish - Thinner

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

Polaron Boya Kimya Sanayi ve Ticaret Anonim Şirketi  
10. Cadde No: 10 41400 Gebze/Kocaeli  
Tel: +90 262 751 25 51  
Fax: +90 262 751 25 52  
e-Mail: sds@polaronboya.com

**1.3. Emergency telephone number: +90 262 751 25 51 (working hours)**

**2-HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids (Category 3), H226  
Serious Eye Damage / Eye Irritation (Category 2), H319  
Specific target organ toxicity, single exposure (Category 3), H336

Full text for all (H) Sentences and (P) statements is given in section 16.

**2.2. Label elements**

Labeling (REGULATION (EC) No 1272/2008)



GHS02



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H226: Flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.

Precautionary statements (CLP): P201: Obtain special instructions before use.  
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P234: Keep only in original packaging.  
P241: Use explosion-proof electrical/ ventilating/ lighting equipment.  
P260: Do not breathe dust/fume/gas/mist/vapours/ spray.  
P264: Wash skin thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protector/face protector.

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P314: Get medical advice/attention if you feel unwell.  
P337 + P313: If eye irritation persists: Get medical advice/ attention.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
P301 + P312 + P330: IF SWALLOWED: If you feel unwell, call THE NATIONAL POISON  
ADVICE CENTER or a doctor / physician. Rinse your mouth.  
P308 + P313: IF exposed or concerned: Get medical advice/ attention.  
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for  
breathing.  
P305 + P351 + P338 + P310: IF IN EYE CONTACT: Rinse carefully with water for a few  
minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call  
THE NATIONAL POISON ADVICE CENTER or the doctor / physician  
immediately.  
P403 + P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of contents / container according to local, regional and international  
rules.

**2.3 Other hazards**

Hazardous Components: n-butyl acetate  
ethyl acetate

## 3-COMPOSITION/INFORMATION ON INGREDIENTS

**3.2. Mixtures**

Substance or Compound	Content (%)	Product Description	Classification
n-butyl acetate	≥30 - <65	CAS No: 123-86-4 EC No: 204-658-1 REACH No: 01-2119485493-29	Flam. Liq. 3; H226 STOT Single. 3; H336 EUH066
ethyl acetate	≥15 - <30	CAS No: 141-78-6 EC No: 205-500-4 REACH No: 01-2119475103-46	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT Single. 3; H336
2-methoxy-1-methylethylacetate	≥15 - <30	CAS No: 108-65-6 EC No: 203-603-9 REACH No: 01-2119475791-29	Flam. Liq. 3; H226

## 4-FIRST AID MEASURES

**4.1. Description of first aid measures**

**General advice**

Consult the doctor. When you consult your doctor, show this safety data sheet.

**If inhaled**

If inhaled, remove casualty to fresh air. Nothing should be given by mouth. Consult the doctor.

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**In case of skin contact**

Take off your dirty clothes. Wash with soap and plenty of water. Consult the doctor.

**In case of eye contact**

Remove contact lenses, if any. Open eyelids and rinse with plenty of water. Consult your doctor if the discomfort persists.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult the doctor. Do not try to induce vomiting.

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

There are no data available on the mixture itself. Exposure to solvent vapours above occupational exposure limit values may cause harmful effects on mucous membranes and respiratory system. It can have the same effects on kidneys, liver and central nervous system. In addition, absorption of the solvent through the skin may result in some of the above effects. Symptoms and signs may include headache, dizziness, fatigue, muscle weakness, drowsiness and, in extreme cases, unconsciousness.

Known symptoms and effects are indicated on the label. (Section 2.2 and/or section 11)

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

No data available

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## **5-FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Suitable extinguishing media: It is recommended to use alcohol resistant foam, carbon dioxide, dry chemical powder and water spray.

Do not use water jet or pressurized water.

**5.2. Special hazards arising from the substance or mixture**

Fire will create a density of black smoke. Exposure to decomposition products may pose a health hazard.

Hazardous Thermal Decomposition Products: Carbon monoxide, carbon dioxide and harmful gases or vapours may be released.

**5.3. Advice for firefighters**

To extinguish fire, use a full mask with oxygen tube when necessary. Avoid breathing fire gases or vapors.

**5.4 Further information**

If there is no risk, water spray can be used to cool the unopened containers and the fire-fighting water should be prevented from mixing with the water environment.

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## **6-ACCIDENTAL RELEASE MEASURES**

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

Use your personal protective equipment. Avoid breathing dust, vapor, fumes or gas. Make sure you have good ventilation.

Move personnel to a safe area. Do not breathe waste.

For personal protection see section 8.

**6.2 Environmental precautions**

If there is no safety hazard, prevent further leakage and spillage. Make sure that it does not mix with the sewer. Discharge to the environment should be prevented.

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

The spilled material should be absorbed with a non-combustible absorbent material such as sand, earth, vermiculite or diatomaceous earth. Store wastes in closed containers suitable for this purpose.

**6.4 Reference to other sections**

For personal protection see Section 8.

See Section 11 for additional information on health hazards.

For waste disposal, see section 13.

## 7-HANDLING AND STORAGE

**7.1. Precautions for safe handling**

Since its vapors are heavier than air and can spread on the floor, care should be taken to ensure that there is non-flammable or explosive vapor in the air and that the existing vapor is kept below the limits related to occupational safety. It should be kept in tightly closed containers and should be worked in places away from sources of spark and naked lights. To dissipate static electricity during transport and handling, the tanks should be grounded and the container connected with a strap. Take off contaminated clothing and wash before wearing. Do not eat or drink while working. Contact with skin and eyes should be avoided, dust, particle spray or mist generated during the application of the mixture and dust during sanding should not be inhaled. All health and safety conditions stipulated by labour laws must be met.

For precautions, see section 2.2.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep the container tightly closed in a dry and well-ventilated cool place. Avoid heat, sources of ignition and sunlight. Smoking should not be allowed. The entry of unauthorized persons must be prevented. Opened containers should be resealed and kept upright against spillage. It should not be drained into drains. It should be kept away from oxidizing agents, strong alkalis and strong acids.

**7.3 Specific end use (s):**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

**Occupational Exposure Limits:**

Occupational Exposure Limits								
EC Number	CAS Number	PRODUCT NAME	LIMITS				SPECIAL SIGN	SOURCE
			TWA (8 hours)		STEL (15 minutes)			
			mg/m³	ppm	mg/m³	ppm		
203-603-9	108-65-6	2-methoxy-1-methylethylacetate	275	50	550	100	Skin	Health and Safety of 12.08.2013

**Prescribed Monitoring Procedure:** If this product contains ingredients with exposure limit values, personal, workplace or biological measurements may be required to determine the effectiveness of ventilation or other control measures and / or the need for use of respiratory protective equipment.

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Derived Zero Impact Level (DNEL)

PRODUCT / INGREDIENT NAME	TYP	EXPOSURE	VALUE	COMMUNITY	EFFECTS
n-butyl acetate	DNEL	Short Term Inhalation	960 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short Term Inhalation	960 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long Term Inhalation	480 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long Term Dermal	480 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short Term Inhalation	859,7 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL	Short Term Inhalation	859,7 mg/m <sup>3</sup>	Consumers	Local
	DNEL	Long Term Inhalation	102,34 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL	Long Term Dermal	102,34 mg/m <sup>3</sup>	Consumers	Local
2-methoxy-1-methylethylacetate	DNEL	Long Term Dermal	135 mg/kg bw/day	Workers	Systemic
	DNEL	Long Term Inhalation	275 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL	Long Term Dermal	54,8 mg/kg bw/day	Consumers	Systemic
	DNEL	Long Term Inhalation	33 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long Term Oral	1,67 mg/kg bw/day	Workers	Systemic
ethyl acetate	DNEL	Short Term Inhalation	1468 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short Term Inhalation	1468 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long Term Inhalation	734 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long Term Inhalation	34 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long Term Dermal	63 mg/kg bw/day	Workers	Systemic
	DNEL	Short Term Inhalation	734 mg/m <sup>3</sup>	Consumers	Local
	DNEL	Short Term Inhalation	734 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL	Long Term Inhalation	367 mg/m <sup>3</sup>	Consumers	Local
	DNEL	Long Term Inhalation	367 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL	Long Term Dermal	37 mg/kg bw/day	Consumers	Systemic
	DNEL	Long Term Oral	4,5 mg/kg bw/day	Consumers	Systemic

Predicted No Effect Concentration (PNEC)

PRODUCT / INGREDIENT NAME	LAYER DETAIL	VALUE	METHOD DETAIL
n-butyl acetate	Fresh Water	0,18 mg/l	-
	Marine	0,018 mg/l	-
	Fresh water sediment	0,981 mg/kg	-
	Marine sediment	0,0981 mg/kg	-
	Soil	0,0903 mg/kg	-
	Sewage Treatment Plant	35,6 mg/l	-
2-methoxy-1-methylethylacetate	Fresh Water	0,635 mg/l	-
	Marine	0,0635 mg/l	-
	Fresh water sediment	3,29 mg/l	-
	Marine sediment	0,329 mg/kg	-
	Soil	0,29 mg/kg	-
	Sewage Treatment Plant	100 mg/l	-
ethyl acetate	Fresh Water	0,26 mg/l	-
	Marine	0,026 mg/l	-
	Fresh water sediment	0,34 mg/kg	-
	Marine sediment	0,034 mg/kg	-
	Soil	0,22 mg/kg	-
	Sewage Treatment Plant	650 mg/l	-

## 8.2. Exposure controls

Personal protective equipment:



## Appropriate engineering controls

Handle in accordance with industrial hygiene and safety rules. Wash hands before breaks and at the end of the day.

## Eye/face protection

Face shield and safety glasses Use eye protection equipment that has been tested and approved in accordance with standards such as NIOSH (US) or EN 166 (EU).

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**Skin protection**

Wear gloves when handling. Gloves should be checked before use. Use the correct glove removal method (without touching the outer surface of the glove) to avoid skin contact with this product. Contaminated gloves should be disposed of in accordance with good laboratory practice and compliance.

The selected protection gloves must comply with the EU 2016/425 Regulation and the EN 374 standard prepared based on this regulation.

If used in solution, or mixed with other substances and used in a way other than the conditions specified in EN 374, consult the EU approved glove supplier. This information is advisory only and should be developed by a safety officer and hygienist who is knowledgeable about the specific situation of use expected by the customer. It should not be considered an endorsement for any particular use case.

**Body Protection**

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

In the risk assessment, use respirators with air purification and fully covering the face. Use relevant devices and equipment such as NIOSH (United States) or CEN (European Union).

**Control of environmental exposure**

Be careful not to mix with sewers and water sources.

## 9-PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

PHYSICAL STATE	Liquid - Colorless
ODOUR	No data available
SOLUBILITY IN WATER	Insoluble
RELATIVE DENSITY	0,864-0,867 (water = 1)
UPPER / LOWER FLAMMABILITY OR EXPLOSION LIMITS	Lower: 1.2 % Upper: 8.4 %
FREEZING POINT	No data available
DEGRADATION TEMPERATURE	No data available
INITIAL BOLLING AND BOILING RANGE	> 100 °C
FLASH POINT	Closed cup: 23,5 °C
VAPOUR PRESSURE	No data available
VAPOUR DENSITY	4,0 (air = 1)
POUR POINT	No data available
VISCOSITY	No data available
PH	No data available

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**9.2 Other information**

No data available

## 10-STABILITY AND REACTIVITY

**10.1. Reactivity.**

No specific test data on reactivity available for this product or its ingredients.

**10.2. Chemical stability**

Stable under recommended storage and handling conditions. (Section 7)

**10.3. Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions do not occur.

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials**

To prevent heat-related reactions, it should be kept away from: Oxidizing agents, strong alkalis, strong acids

**10.6 Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11-TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**

There is no data available on the mixture itself.

**Acute toxicity:**

PRODUCT / INGREDIENT NAME	RESULT	TYP	DOSE	EXPOSURE
n-butyl acetate	LC50 Inhalation Vapour	Rat	>21,1 mg/l	4 hours
	LD50 Dermal	Rabbit	>14.112 mg/kg	-
	LD50 Oral	Rat	10.760 mg/kg	-
ethyl acetate	LC50 Inhalation Vapour	Rat	>21,1 mg/l	4 hours
	LD50 Dermal	Rabbit	>14.112 mg/kg	-
	LD50 Oral	Rat	10.760 mg/kg	-
2-methoxy-1-methylethylacetate	LD50 Dermal	Rat	>5.000 mg/kg	-
	LD50 Oral	Rat	>5.000 mg/kg	-

Result : No data

**Acute Toxicity Predictions:**

WAY	ATE VALUE
Dermal	9.788 mg/kg
Inhalation (vapors)	33,7 mg/l

**Corrosion/irritation**

No data available

**Respiratory or skin sensitisation:**

No data available

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Germ cell mutagenicity:  
No data available

Carcinogenicity:  
No data available

Reproductive toxicity:  
No data available

Specific target organ toxicity - single exposure

PRODUCT / INGREDIENT NAME	CATEGORY	WAY OF EXPOSURE	TARGET ORGANS
n-butyl acetate	Category 3	Not applicable	Narcotic effects
ethyl acetate	Category 3	Not applicable	Narcotic effects

Specific target organ toxicity - repeated exposure  
No data available

Aspiration hazard  
No data available

Other informations  
No data available

## 12-ECOLOGICAL INFORMATION

### 12.1. Toxicity

There is no data available on the mixture itself. Its entrance to water channels and water resources should be prevented.

PRODUCT / INGREDIENT NAME	RESULT	TYP	EXPOSURE
2-methoxy-1-methylethylacetate	Acute EC50>1000 mg/l Acute EC50 408 mg/l Acute LC50 134 mg/l	Pseudokirchnerella subcapitata Daphnia magna Oncorhynchus mykiss	96 hours 48 hours 96 hours
n-butyl acetate	Acute EC50 647,7 mg/l Acute EC50 44 mg/l Acute LC50 32 mg/l Acute LC50 18 mg/l Acute NOEC 200 mg/l Chronic NOEC 23 mg/l	Desmodesmus subspicatus Daphnia magna Artemia salina Pimephales promelas Desmodesmus subspicatus Daphnia magna	72 hours 48 hours 48 hours 96 hours 72 hours 21 days
ethyl acetate	Acute EC50 165 mg/l Acute LC50 230 mg/l Acute NOEC>2,4 mg/l	Daphnia magna Pimephales promelas Daphnia magna	48 hours 96 hours 21 days

Result : No data

### 12.2 Persistence and degradability

PRODUCT / INGREDIENT NAME	TEST	RESULT	DOSE	INOCULUM
n-butyl acetate	OECD 301D Ready Biodegradability- Closed Bottle Test	>80 %-5 days	-	-
2-methoxy-1-methylethylacetate	OECD 302B Inherent Biodegradability: Zahn-Wellens/Empa Test	%100-28 days	-	-
	OECD 301F	%83-28 days	-	-



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	Ready Biodegradability- Manometric Respirometry Test			
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Result : No data

PRODUCT / INGREDIENT NAME	HALF LIFE IN WATER	PHOTOLYSIS	BIODEGRADABLE
2-methoxy-1-methylethylacetate	-	-	Ready
n-butyl acetate	-	-	Ready

**12.3 Bioaccumulative potential**

PRODUCT / INGREDIENT NAME	LOGPOW	BCF	POTANTIAL
n-butyl acetate	2,30	-	Low
ethyl acetate	0,68	30	Low
2-methoxy-1-methylethylacetate	1,20	-	Low

**12.4 Mobility in soil**

Soil / Water Distribution: No data

Mobility: No data

**12.5 Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

**12.6 Other adverse effects**

No data available

## 13-DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Disposal methods:**

Dispose of waste in an appropriate treatment and disposal facility in accordance with applicable laws and regulations and product specifications at the time of disposal. The product or the contaminated materials must be delivered to a licensed waste contractor in accordance with the regulations, within the scope of the Waste Management Regulation (02.04.2015 RG: 29314).

**Contaminated Packaging:**

Contaminated packages should be as empty as possible. Dispose of waste in an appropriate treatment and disposal facility, in accordance with applicable laws and regulations and product specifications at the time of disposal. Recycle after cleaning or dispose of at an authorized place.

This product and its container must be disposed of in a safe way. Personnel should wear protective clothing. Care should be taken in the selection of protective clothing to protect against irritation on the skin of the neck and wrists that may result from contact with dust. There may be product residue in empty containers or other packaging. Vapor from product residues can create an easily flammable or explosive atmosphere in the container. Do not cut, weld, or grind used containers unless the interior is thoroughly cleaned. Do not allow spilled material to spread, run or come in contact with soil, waterways, drains.

## 14-TRANSPORT INFORMATION

**14.1 UN number**

ADR/RID: 1263

IMDG: 1263

IATA: 1263



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**14.2 UN proper shipping name**

ADR/RID: PAINT AND PAINT RELATED MATERIAL  
IMDG: PAINT AND PAINT RELATED MATERIAL  
IATA: PAINT AND PAINT RELATED MATERIAL

**14.3 Transport hazard class(es)**

ADR/RID: 3      IMDG: 3      IATA: 3

**14.4 Packing group**

ADR/RID: III      IMDG: III      IATA: III

**14.5 Environmental hazards**

Marine pollutant: no

**14.6 Special precautions for user**

ADR: Hazard Identification Number: 30  
Limited Quantity Limit: 5L  
Tunnel Code: (D/E)

IMDG: Ems: F-E, S-E

IATA: Passenger and Cargo Aircraft: Quantity Limit: 60 L - Packing Instruction: 355  
Cargo Aircraft Only: Quantity Limit: 220 L - Packing Instruction: 355  
Quantity Limit for Passenger Aircraft: 10 L - Packing Instruction: Y344  
Special Provisions: A3, A72

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## 15-REGULATORY INFORMATION

**15.1 Substance, health and environmental legislation**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

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## 16-OTHER INFORMATION

**Information Resources**

This SDS is based on the information and documents received from the product owner company. The SDS preparer and the company cannot be held responsible for the material damages and moral negativities that the product owner company may encounter due to the incomplete or incorrect arrangement of the SDS.

Certificate Number: TÜV / 11.15.01

Certificate Validity: 13.05.2024

Edited: Ayşen Eda KABASAKAL - Certified Safety Data Sheet Editor

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Rev.01

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**Abbreviations;**

WEL: Workplace Exposure Limit  
TWA: Workplace Exposure Limit  
STEL: Short term exposure limit  
DNEL: Derived No-Effect Level  
DMEL: Derived minimum effect level  
PNEC: Predicted No-Effect Concentration  
ATE: Acute Toxicity Estimation  
REACH No: Number of Registration, Evaluation, Authorization and Restriction of Chemicals  
EC No: European Community Number  
CAS: Chemical Abstracts Service  
ADR: European Agreement on the International Carriage of Dangerous Goods by Road  
RID: European Agreement on the International Transport of Dangerous Goods by Rail  
IMDG: International Maritime Dangerous Goods  
IATA: International Air Transport Association  
LC50: substance concentration causing 50% (half) death in the test animal group  
LD50: Dose of substance causing 50% (half) death in test animal group (Median Lethal Dose)  
PBT: Persistent, Bioaccumulative and Toxic Substance  
vPvB: Very Persistent, Very Bioaccumulative  
EUH: EU Hazard Statements

**Full text of H statements found in Chapters 2 and 3;**

H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
EUH066: Repeated exposure may cause skin dryness or cracking.

**DISCLAIMER**

This information relates only to a specific specific substance and should not be used in a composition or any process in which the same substance is used in combination with other substances. The information provided in this document is, to the highest level of knowledge and belief of the company, accurate and reliable information as of the date specified. However, no warranty or representation of any kind is made for its accuracy, reliability and completeness. It is the user's own responsibility to be satisfied that this information is suitable for his own use. This information is based on our current knowledge and is intended to define the health, safety and environmental requirements of the product. Therefore, this information should not be interpreted as a guarantee of any feature of the product. The data contained in the form are based on our current knowledge and are intended to describe the product in terms of safety requirements. The information given cannot be understood as giving any guarantee for any special or general specification / application and we do not accept any responsibility as the manufacturer company (sds owner company). The responsibility for the intended use of the product and its suitability for the method used belongs to the user. Any loss / damage arising from the use of the information in the form will not be accepted by us. In any case, our general sales conditions apply.

**Ayşen Eda KABASAKAL**  
Sertifika No: TÜV / 11.15.01  
Geçerlilik Tarihi: 13.05.2024  
Kimyasal Değerlendirme Uzmanı