

SAFETY DATA SHEET

UNDERCOATING SPRAY

Product Name: Undercoating Spray
GBF Form No: M-00173

Preparation Date: 23.11.2025
Revision Date/Number: 00/00

According to Commission Regulation (EU) 2020/878 as amended

1. Description of the substance/mixture and of the company/distributor;

1.1. The identity of the substance/mixture;

Product form : Mixture
Trade Name : Undercoating Spray
EC Number : Unknown
CAS Number : Unknown

1.2. Identified uses of the substance or mixture and uses advised against;

It is used to correct imperfections on bumpers and all matte black surfaces of all vehicles, and to cover scratches caused by external factors.

It is used to dissolve oil, grease, and stubborn dirt on the engine by penetrating them very quickly.

1.3. Information about the supplier of the Safety Data Sheet;

Manufacturer : MAXRAY Kimya San. ve Tic. Ltd. Şti.
Address : Mimar Sinan Mah. Üsküdar Cad. YEDPA No:1 Cad. Inner door No:2
ATAŞEHİR/İSTANBUL
Phone : +90 850 307 04 47
Email : info@maxray.com.tr
Contact Person : Nurullah Düzgün
Product Code : MX-77784
Product Type : Spray Paint

1.4. Emergency phone number;

Emergency phone number : 114 (Poison Control Center / For local calls only.)

2. Hazard identification;

2.1. Classification of substances and mixtures;

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

Flammable Aerosol , Hazard Category 1	H222
Pressure Vessel	H229
Eye irritation, Hazard Category 2	H319
BHOT Single Mrz , Hazard Category 3 (Dizziness)	H336

The full text of the H statements; see Section 16.

2.2. Label elements;

Classification of the mixture in accordance with Regulation (EC) No 1272/2008



Hazard Label (SEA) :

GHS02

GHS07

Warning word (SEA) : Danger

Hazard Statements (SEA) :

H222 - Highly flammable aerosol

H229 - Pressure vessel: May crack if heated.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

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EUH066 - Repeated exposure may cause dryness and cracking of the skin.

Precautionary Statements (SEA) :

P210 Keep away from heat/sparks/flames/hot surfaces. - No smoking.

P211 - Do not spray towards flames or other sources of ignition.

P251 - Pressure vessel: Do not puncture or burn, even after use.

P261 - Avoid inhaling dust/fumes/gas/mist/vapors/spray.

P264 - Wash hands thoroughly with water after handling .

P271 - Use only outdoors or in a well-ventilated area.

P280 Use protective gloves/protective clothing/eye protection/face protection.

P304+P340 - IF INHALED: Remove the affected person to fresh air and ensure they are in a position where they can breathe easily.

P305+P351+P338 IF IN CONTACT WITH EYES: Rinse carefully with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Seek medical advice/attention.

P312 - If you feel unwell, call the NATIONAL POISON CONTROL CENTER on 114 or your doctor/physician.

P405 - Keep in a locked area.

P403+P233 - Store in a well-ventilated area. Keep container tightly closed.

P410+P403 - Protect from sunlight. Store in a well-ventilated area.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122F.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations (as specified). Indicate whether this applies to the contents, container, or both, as instructed by the manufacturer/supplier or competent authority.

2.3. Other damages;

PBT or vPvB substances.

3. Information about its composition/ingredients;

3.1. Items;

Not applicable.

3.2. Mixtures

Name of the Substance	CAS Number	EC Number	%	Classification in accordance with the "Regulation on the Classification, Labelling and Packaging of Substances and Mixtures" (SEA), published in the Official Gazette dated 11 December 2013 and numbered 28848 (mükerrer).	Pictograms
Acetone	67-64-1	200-662-2	5-15	Flame. Liquid 2, H225 Eye Test.2, H319 BHOT TEK MRZ.3,H336 EUH066	GHS02 GHS07 Dangerous
Butanone	78-93-3	201-159-0	5-15	Flame. Liquid 2, H225 Eye Test.2, H319 BHOT TEK MRZ.3,H336	GHS02 GHS07 Dangerous

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Polymer Mixture	-	-	5-15	Unclassified.	
Aluminum paste	-	-	<3	Unclassified.	-
N- butyl acetate	123-86-4	204-658-1	5-15	Flame.Liquid 3, H226 BHOT TEK MRZ.3,H336 EUH 066	GHS07 Attention
Dimethyl ether	115-10-6	204-065-8	20-50	Flame Gas.1, H220 Liquefied Gas, H280	GHS02 GHS04 Dangerous

The full text of the H statements: see Section 16

4. First aid measures;

4.1.Explanation of first aid measures;

General Information	Immediately remove contaminated clothing or footwear. Remove the victim from the scene. Flammable liquid and vapor. Ensure adequate ventilation. Seek medical assistance – show SDS or label if possible. If the victim is likely to lose consciousness, lay them on their side and transport them.
Inhalation	Remove the patient from the danger zone to fresh air and seek medical assistance. Keep the patient warm and allow them to rest. Administer oxygen if necessary. Perform cardiopulmonary resuscitation (CPR) if cardiac arrest occurs.
Skin contact	Remove all contaminated clothing and shoes. Wash the affected area with soap and water for 15 minutes. Apply cream to the skin. Seek medical attention if irritation occurs.
Eye contact	Immediately lift your eyelids and rinse thoroughly with plenty of water for 15 minutes. Remove contact lenses if possible. Continue rinsing. Seek medical attention if you experience pain, burning, or photophobia .
If swallowed	Do not induce vomiting. If vomiting occurs, keep the head low to prevent aspiration into the lungs. Rinse the mouth. Give water to drink. Do not give milk or alcohol. Do not give anything by mouth to an unconscious person. Take to the hospital immediately. Activated charcoal can be given to replace the acetone.

4.2. Significant symptoms and effects, both immediate and delayed.

Inhalation	: Airway irritation , sore throat, headache, nausea, cough, difficulty breathing, chest tightness, gasping for air.
Skin contact	: Skin irritation , dryness, and cracking.
Eye contact	: Eye irritation , redness, swelling.
If swallowed	: Causes stomach and intestinal upset.

4.3. The first signs that require medical intervention and specialized treatment.

Treat symptomatically .

5. Firefighting measures;

5.1. Fire extinguishers

Suitable for : Carbon dioxide, dry chemicals, water mist, alcohol-resistant foam.

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Not suitable : Do not use a water jet. Using water with foam can damage the foam.

5.2. Specific hazards arising from the substance or mixture.

Specific exposure hazards : Vapors accumulating on the surface due to carbon monoxide formation can cause burns.

Hazardous thermal decomposition products : Carbon monoxide, carbon dioxide, and unburned hydrocarbons produced during combustion.

5.3. Recommendations for firefighting teams

Special for firefighters. positive pressure mode with a breathing apparatus . Cool the outside of the containers with water.

6. Measures to prevent accidental release;

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid sources of ignition. Do not smoke. Avoid inhaling vapors. Ensure adequate ventilation. Vapors may accumulate in confined spaces. Use chemical protective clothing and a respirator.

6.2. Environmental measures

Environmental measures : Prevent spills and spread. Prevent spread into sewers, drains, rivers, lakes, and streams. If spillage occurs in enclosed areas, ensure adequate ventilation. If spillage occurs into water sources, notify the authorities.

Other information : Unknown.

6.3. Methods and materials for preservation and cleaning.

Cleaning methods : Vacuum up large debris. Absorb with inert absorbents (sand, soil, vermiculite , etc.). Send to waste collection areas. Ensure adequate ventilation. Avoid sources of flame and do not smoke.

6.4. References to other sections

References to other sections : See also section 8.

7. Handling and storage;

7.1. Precautions for safe handling

Precautions for safe handling : Handle in well-ventilated areas . Do not inhale vapors. Avoid skin contact. Prevent static electricity buildup. Prevent slippery surfaces. Wear personal protective equipment. Do not smoke. Do not eat or drink. Use a grounding system. Do not swallow. Use only explosion-proof equipment.

7.2. Conditions for secure storage, including disputes.

Storage conditions : Store in a way that will not contaminate water sources. Static electricity generation must be prevented. Store away from flames and heat sources. Store away from oxidizers and corrosive materials. Store in a cool, well-ventilated environment. Keep the packaging tightly closed. Opened packaging must be tightly resealed to prevent leakage.

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Vapors accumulating at the top may be explosive if not jacketed with inert gas . Avoid direct sunlight. Store between 5-25°C. Do not smoke.

Recommended packaging : Store only in the packaging in which it was supplied.

7.3. Specific end uses

Usage : Use only as directed.

8. Exposure control/personal protection;

8.1. Control parameters

N- butyl acetate

Observed Effects	Exposure	DNEL	Type of Toxicity
Worker damage limits			
Inhalation - Systemic Effects	Prolonged exposure	300 mg/ m ³	Irritation (Respiratory system)
	Acute/Short-term exposure	600 mg/ m ³	Irritation (Respiratory system)
Inhalation - Local Effects	Prolonged exposure	300 mg/ m ³	Irritation (Respiratory system)
	Acute/Short-term exposure	600 mg/ m ³	Irritation (Respiratory system)
Dermal -Systemic Effects	Prolonged exposure	11 mg/kg / day	Neurotoxicity
		NOAEL-550 mg/kg / day	
	Acute/Short-term exposure	11 mg/kg / day	Neurotoxicity
		NOAEL-550 mg/kg / day	
Dermal - Local Effects	Prolonged exposure	No damage was reported.	
	Acute/Short-term exposure	No damage was reported.	
Eye-Local Effects	No damage was reported.		
Damage limits for the general population.			
Inhalation - Systemic Effects	Prolonged exposure	35.7 mg/ m ³	Irritation (Respiratory system)
	Acute/Short-term exposure	300 mg/ m ³	Irritation (Respiratory system)
Inhalation - Local Effects	Prolonged exposure	35.7 mg/ m ³	Irritation (Respiratory system)
	Acute/Short-term exposure	300 mg/ m ³	Irritation (Respiratory system)
Dermal -Systemic Effects	Prolonged exposure	6 mg/kg / day	Neurotoxicity
		NOAEL-554 mg/kg / day	
	Acute/Short-term exposure	6 mg/kg / day	Neurotoxicity
		NOAEL-554 mg/kg / day	
Dermal - Local Effects	Prolonged exposure	No damage was reported.	
	Acute/Short-term exposure	No damage was reported.	
Oral-Systemic Effects	Prolonged exposure	2 mg/kg / day	Neurotoxicity
		NOAEL-196 mg/kg / day	
		2 mg/kg / day	Neurotoxicity



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	Acute/Short-term exposure	NOAEL-196 mg/kg / day
Eye-Local Effects	No damage was reported.	

Acetone

Observed Effects	Exposure	DNEL	Type of Toxicity
Worker damage limits			
Inhalation - Systemic Effects	Prolonged exposure	1210 mg/ m ³	
	Acute/Short-term exposure	Low damage	
Inhalation - Local Effects	Prolonged exposure	Low damage	
	Acute/Short-term exposure	2420 mg/ m ³	
Dermal -Systemic Effects	Prolonged exposure	186 mg/kg / day	
	Acute/Short-term exposure	8238 mg/kg / day (NOAEL)	
Dermal - Local Effects	Prolonged exposure	Low damage	
	Acute/Short-term exposure	Low damage	
Eye-Local Effects	Low damage.		
Damage limits for the general population.			
Inhalation - Systemic Effects	Prolonged exposure	200 mg/ m ³	
	Acute/Short-term exposure	Low damage	
Inhalation - Local Effects	Prolonged exposure	Low damage	
	Acute/Short-term exposure	Low damage	
Dermal -Systemic Effects	Prolonged exposure	62 mg/kg / day	
	Acute/Short-term exposure	Low damage	
Dermal - Local Effects	Prolonged exposure	Low damage	
	Acute/Short-term exposure	Low damage	
Oral-Systemic Effects	Prolonged exposure	62 mg/kg / day	
	Acute/Short-term exposure	Low damage	
Eye-Local Effects	Low damage.		

Butanone

Observed Effects	Exposure	DNEL	Type of Toxicity
Worker damage limits			
Inhalation - Systemic Effects	Prolonged exposure	600 mg/ m ³	Repeated Dose Toxicity
Dermal -Systemic Effects	Prolonged exposure	1161 mg/kg / day	Repeated Dose Toxicity
Damage limits for the general population.			

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Inhalation - Systemic Effects	Prolonged exposure	106 mg/ m ³	Repeated Dose Toxicity
Dermal -Systemic Effects	Prolonged exposure	412 mg/kg / day	Repeated Dose Toxicity
Oral-Systemic Effects	Prolonged exposure	31 mg/kg / day	Repeated dose toxicity

Dimethyl ether

Observed Effects	Exposure	DNEL	Type of Toxicity
Worker damage limits			
Inhalation - Systemic Effects	Prolonged exposure	1894 mg/ m ³ NOAEC: 23671 mg/ m ³	Repeated dose toxicity
	Acute/short-term exposure	Low damage	
Inhalation - Local Effects	Prolonged exposure	No damage was reported.	
	Acute/short-term exposure	No damage was reported.	
Dermal -Systemic Effects	Prolonged exposure	No damage was reported.	
	Acute/short-term exposure	No damage was reported.	
Dermal - Local Effects	Prolonged exposure	No damage was reported.	
	Acute/short-term exposure	No damage was reported.	
Eyes		No damage was reported.	
Damage limits for the general population.			
Inhalation - Systemic Effects	Prolonged exposure	471 mg/ m ³ NOAEC: 11777 mg/ m ³	Repeated dose toxicity
	Acute/short-term exposure	Low damage	
Inhalation - Local Effects	Prolonged exposure	No damage was reported.	
	Acute/short-term exposure	No damage was reported.	
Dermal -Systemic Effects	Prolonged exposure	No damage was reported.	
	Acute/short-term exposure	No damage was reported.	
Dermal - Local Effects	Prolonged exposure	No damage was reported.	
	Acute/short-term exposure	No damage was reported.	
Oral-Systemic Effects	Prolonged exposure	No damage was reported.	
Oral-Systemic Effects	Acute/short-term exposure	No damage was reported.	

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Eyes	No damage was reported.
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8.2. Exposure controls

- Engineering measures : Ensure adequate general and local ventilation. The ventilation system should be regularly maintained and inspected. Observe the exposure limits of the product or content.
- Hygiene precautions : Do not eat, drink, or smoke while using the product. Wash your hands after handling .
- Personal protective equipment : The effectiveness of personal protective equipment depends, among other factors, on temperature and ventilation. Professional advice should be sought depending on the specific situation.
- Body protection : Wear protective clothing, work overalls or suit and similar footwear conforming to EN 365/367, specifically standard 345. Suitable material: nitrile . Insulation time: impermeable.
- Respiratory protection : Use a respiratory device. Test that the filter is new and that the device fits snugly to your face. The gas and filter cartridge must comply with EN 14387. Full face masks and replaceable filter cartridges must comply with EN 136. Half face masks and replaceable cartridges must comply with EN 140.
- Hand protection : Wear gloves conforming to EN 374 standard . Suitable material: nitrile . ± 0.5 mm penetration time: impermeable. Replace gloves as needed.
- Eye protection : Use tightly fitting, chemical-protective goggles or a face shield. If there is a risk of inhalation, use a full-face gas mask.

9. Physical and chemical properties;

9.1. Basic physical and chemical properties

- Physical Appearance : Aerosol
- Color : Black
- Scent : Characteristic
- Odor threshold : Unknown
- Flash Point (°C) (min) : Unknown
- Boiling Point (°C) (min) : Unknown
- Density (g/ cm³) : 0.9-1.0
- Viscosity (KU) : 100-110
- Vapor Pressure : Unknown
- Vapor density : Unknown
- Solvability : Unknown

9.2. Other information

No further information available.

10. Stability and reactivity;

10.1. Reaction

Reactivity : There are no known harmful reactive effects.

10.2. Chemical stability

Stability : It is stable under normal conditions.

10.3. Possibility of harmful reactions

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Reactivity : The likelihood of a reaction occurring is high in the presence of oxidizing agents.

10.4. Situations to avoid

Conditions to avoid : Avoid sources of flame such as heat and sparks. Containers may explode or burn fiercely due to excessive pressure when heated . Static electricity buildup must be prevented.

10.5. Substances to avoid

Materials to avoid: Oxidizing agents.

10.6. Harmful decomposition products,

Hazardous decomposition products : Do not decompose if stored and used under appropriate conditions . Products that decompose thermally or are compressed may include: harmful gases and vapors.

11. Toxicological information;

11.1. Information about toxic effects

Article	Toxicity Type	Toxicity Zone	Test Animal	Conclusion
N- butyl acetate	Acute	Oral	Rat/Female-Male	LD 50: 10760 mg/kg
		Breathing		Harmful effects have been observed.
		Dermal	Rabbit/Male-Female	LD 50: 14112 mg/kg
	Irritation	Dermal	Rabbit	None
		Eyelash	Rabbit	None
	Sensibility	Dermal	Mouse	None
	Repeat Dose	Oral	Rat/Female-Male	NOAEL; 196 mg/kg bw /day (Subchronic)
		Breathing	Rat/Female-Male	NOAEC: 2400 mg/m ³ (Subchronic)
	Developmental toxicity	Breathing	Rat	LOAEC: 7230 mg/m ³ Harmful effects have been observed.
	Reproductive toxicity	Breathing	Rat	NOAEC; 9640 mg/m ³ None
Butanone	Acute	Oral	Rat/Female-Male	LD 50: 2054 mg/kg
		Dermal	Rabbit/Male	LD 50: >10 ml/ kg
	Irritation	Eyelash	Rabbit	There is

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	Sensibility	Dermal	Guinea Pig/Female	None
	Repeat Dose	Breathing	Rat/Female-Male	NOAEC: 5041 ppm
	Genetic		Mouse/Female-Male	None
	Developmental toxicity	Breathing	Rat	NOAEC: 1002 ppm
	Reproductive toxicity	Oral	Rat/Female-Male	NOAEL; 1644 mg/kg/day
Dimethyl ether	Acute	Breathing	Rat/Male	LC 50: 164,000 ppm
	Genetic		Drosophila melanogaster / Male	None
	Carcinogenicity	Breathing	Rat/Male-Female	None
	Reproductive/Developmental toxicity	Teratogenicity	Rat	NOAEL: 40000 ppm
Breathing			Rat/Male-Female	None
Acetone	Acute	Oral	Rat	LD50: 5800 mg/kg
		Breathing	Rat	LC50: 132000 mg/m ³ (3s) 76000 mg/m ³ (4s)
	Irritation	Dermal	Guinea Pig	LD50: 7400 mg/kg
		Eyelash		None There is
	Sensibility	Dermal		None
	Repeat Dose	Oral		NOAEL; 900 mg/kg / day
		Breathing		NOAEC: 22500 mg/m ³
	Genetic		-	None
	Developmental toxicity	Breathing	Rat	NOAEC: 5300 mg/m ³

12. Ecological information;

12.1. Toxicity

PNEC Values	N- butyl acetate	Dimethyl Ether	Butanone	Acetone
Fresh water	0.18 mg/l 0.36 mg/l (Bittered)	0.155 mg/l 1,549 mg/l (batch)	55.8 mg/l	10.6 mg/l 21 mg/l (batch release)
Marine	0.018 mg/l	0.016 mg/l	55.8 mg/l	1.06 mg/l

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STP	35.6 mg/l	160 mg/l	709 mg/l	100 mg/l
Sediment (Fresh water)	0.981 mg/kg sediment dw	0.681 mg/kg sediment dw	284.74 mg/kg sediment dw	30.4 mg/kg sediment dw
Sediment (Marine)	0.098 mg/kg sediment dw	0.069 mg/kg sediment dw	284.7 mg/kg sediment dw	3.04 mg/kg sediment dw
Soil	0.09 mg/kg soil dw	0.045 mg/kg soil dw	22.5 mg/kg soil dw	29.5 mg/kg soil dw
Predators	-	-	1000 mg/kg food	-
Weather				

12.2. Persistence and degradability

Persistence : Biodegradable .

12.3. Bioaccumulation potential

Potential for bioaccumulation : There is no known potential for bioaccumulation.

12.4. Mobility in the soil

Mobility : Not applicable.

12.5. Results of PBT and vPvB assessment

PBT/ vPvB values : Does not contain PBT or vPvB substances.

12.6. Other negative effects

Other information : Not applicable.

13. Disposal information;

13.1. Waste processing methods

Product residue : Recyclable container. Do not puncture or burn, even after use. Do not dispose of empty packaging with normal household waste. Containers should be recycled or reused. Product residues, including non-empty packaging, should be treated as chemical waste.

Additional warning : Unknown.

European Waste Catalogue : Dispose of hazardous waste in an official chemical waste storage facility in accordance with Directive 91/689/EEC and under a waste law pursuant to Commission Decision 2000/532/EC.

Local regulations : Waste disposal must comply with applicable regional, national, and local laws and regulations. Local regulations may be stricter than regional and national requirements and must be complied with.

14. Transportation information;

14.1. UN Number : UN 1950

14.2. Appropriate UN shipping name

Suitable shipping name : AEROSOLS

Proper shipping name (IMDG, IATA) : AEROSOLS

14.3. Transportation hazard class(es) : 2 (ADR/RID/ADN/IMDG/IATA)

Classification Code : 5F (ADR/RID/ADN)

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Hazard Label : 2.1

14.4. Packaging group : None

14.5. Environmental damage

Marine pollutant : No

14.6. Special measures for the user

Unless otherwise stated, measures applicable to safe transport will be taken.

IATA Cargo Aircraft: 203

IMDG - Technical name: Aerosol

IMDG Page: F -D, SU

14.7. Public transport according to MARPOL 73/78 Annex II and IBC code.

Marpol : As per the instructions above, it is not a hazardous product.

15. Knowledge of legislation;

15.1. Specific safety, health and environmental regulations for the substance or mixture.

National Legislation

- Turkish Ministry of Environment and Urbanization, Regulation No. 28848, dated December 11, 2013, on the Classification, Labelling and Packaging of Substances and Mixtures.
- Turkish Ministry of Environment and Urbanization, Waste Management Regulation, dated April 2, 2015, numbered 29314.
- Turkish Ministry of Labour and Social Security, Regulation No. 28733 dated August 12, 2013, on Health and Safety Measures in Work with Chemical Substances.
- Turkish Ministry of Labour and Social Security, Regulation No. 28695 dated July 2, 2013, on the Use of Personal Protective Equipment in Workplaces.
- Turkish Ministry of Labour and Social Security, Occupational Health and Safety Law No. 6331, dated June 30, 2012.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information;

Abbreviations

Flammable Liquid 2 : Flammable Liquid, Hazard Category 2.

Eye Irritation 2 : Serious Eye Irritation, Hazard Category 2

BHOT TEK. MRZ 3 : Specific Target Organ Toxicity - Single Exposure , Category 3

Skin Irrit . 2 : Skin Irritation, Hazard Category 2

LD50 : The dose of a substance that causes 50% (half) death in the test animal group (Median Lethal Dose)

LC 50 : Concentration of a substance causing 50% (half) mortality in a test animal group.

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ADR	: European Agreement concerning the international carriage of dangerous goods by road.		
IMDG	: International Maritime Dangerous Goods		
IATA	: International Air Transport Association		
ADN :	European Agreement concerning the international carriage of dangerous goods by inland waterways		
RID	: European Agreement concerning the international carriage of dangerous goods by rail.		
Merpol 73/78	: International Convention for the Prevention of Pollution from Ships, 1973, as amended by Protocol 1978. IBC: International Code for the Construction and Equipment of Ships Carrying Dangerous Bulk Chemicals (International Bulk Chemicals Code)		
WEL	: Workplace Exposure Limit		
TWA	: Workplace Exposure Limits		
STEL	: Short-Term Exposure Limit		
EC No	: European Community Number		
CAS	: Service for Chemical Theories		
PBT	: Persistent, Bioaccumulative , and Toxic Substance.		
vPvB	: Very Persistent, Highly Bioaccumulative		
DNEL	: Derived Effect Unobserved Time		

Certificate Number: **TÜV/11.302.03**

Certificate Expiration Date: **05.11.2030**

LEGAL NOTICE (DISCLAIMER)

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