



Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name
Chemical name and synonym
UFI :

Indelible paint marker. Red
UTI000099
53R2-H0VC-5000-604G

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

Intended use **Metallic sphere marker for tracking on any smooth or porous surface.**

Identified Uses	Industrial	Professional	Consumer
use	✓	✓	-

Uses Advised Against

The relevant uses are listed above. No other uses are recommended.

1.3. Details of the supplier of the safety data sheet

Name TRAFIMET GROUP SPA A SOCIO UNICO
Full address via del Lavoro, 8
District and Country 36020 Castegnero (VI)
 ITALIA
 tel. +39 0444 739900
 fax. +39 0444 739999

e-mail address of the competent person
responsible for the Safety Data Sheet **msds@trafimet.com**

1.4. Emergency telephone number

For urgent inquiries refer to **NHS 111**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 3	H226	Flammable liquid and vapour.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



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Hazard pictograms:



Signal words: Warning

Hazard statements:

H226 Flammable liquid and vapour.**H336** May cause drowsiness or dizziness.**EUH066** Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P241** Use explosion-proof [electrical / ventilating / lighting / . . .] equipment.**P261** Avoid breathing dust.**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**P405** Store locked up.**P501** Dispose of product / container in accordance with local regulations.

Contains: n-BUTYL ACETATE

2.3. Other hazardsOn the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.**SECTION 3. Composition/information on ingredients****3.1. Substances**

Information not relevant

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
n-BUTYL ACETATE		



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INDEX 607-025-00-1 $50 \leq x < 70$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066

EC 204-658-1

CAS 123-86-4

REACH Reg. 01-2119485493-29

CALCIUM CARBONATEINDEX - $50 \leq x < 70$

EC 207-439-9

CAS 471-34-1

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures**4.1. Description of first aid measures**

EYES: Remove any contact lenses. Wash thoroughly with lukewarm water for at least 15 minutes, opening the eyelids well. Consult a doctor if irritation persists.

SKIN: Take off contaminated clothes and wash them before reuse. Wash thoroughly with soap and water. If irritation persists, consult a physician.

INHALATION: Take the subject to fresh air. If breathing is difficult, call a doctor right away.

INGESTION: Consult a physician. Induce vomiting only on medical advice. Do not administer anything by mouth if the subject is unconscious and if not authorized by the doctor.

Rescuer protection

Information not available

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

Causes Serious Eye Irritation.

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

Treat symptomatically.

Means to have available in the workplace for specific and immediate treatment

Information not available

SECTION 5. Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media:

- Water.
- Foam.
- Dry powder.
- Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

- Direct water jets.

5.2. Special hazards arising from the substance or mixture

Flammable. If heated, the containers can explode. Vapors can form explosive mixtures with air. Vapors can travel to the ignition source and create possible backfires.



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Hazardous Combustion Products
Carbon monoxide (CO), Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special protective equipment for firefighters:

- Use suitable respiratory equipment (breathing apparatus with independent air supply).

Further information

- Prevent extinguishing water from contaminating surface water or groundwater.
- Remove the container from the danger area and cool it with water.
- Cool with water from full alcohol containers, close to the fire

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure sufficient ventilation. Use the required personal protective equipment. Remove all sources of ignition. Avoid the accumulation of electrostatic charges.

6.2. Environmental precautions

It must not be released into the environment. Do not empty into surface waters or toilets.

6.3. Methods and material for containment and cleaning up

Dry with inert absorbent material. Store in suitable closed containers for disposal. Remove all sources of ignition. Avoid the accumulation of electrostatic charges. Use non-sparking tools and explosion-proof equipment.

6.4. Reference to other sections

Refer to the protective measures listed in sections 8 and 13.

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Wear personal protective equipment. Ensure sufficient ventilation. Avoid ingestion and inhalation. To avoid contact with eyes, skin or clothing. Keep away from open flames, heated surfaces and sources of ignition. Use only non-sparking tools. Use non-sparking tools and explosion-proof equipment. Avoid the accumulation of electrostatic charges.

Hygiene measures

Handle in compliance with good industrial hygiene and safety standards. Keep away from food or feed and from drinks. Do not eat, drink or smoke during use. Take off and wash contaminated clothing and gloves, including the internal parts, before wearing them again. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Keep the container closed and in a cool, well-ventilated and dry place. Keep away from heat, sparks and flames. Area for flammable compounds.

Storage class TRGS 510 (Germany):

3

7.3. Specific end use(s)

Refer to the Identified Use in Subsection 1.2.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
CZE	Česká Republika	NAŘÍZENÍ VLÁDY ze dne 10. května 2021, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2023
EST	Eesti	Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötervishoiu ja tööohutuse nõuded ning töökeskonna keemiliste ohutegurite piirnormid [RT I, 21.12.2022, 14]
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία``»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
LTU	Lietuva	Jsakymas dėl lietuvis higienos normos hn 23:2011 „cheminių medžiagų profesinio poveikio ribiniai dydžiai. Matavimo ir poveikio vertinimo bendrieji reikalavimai“ patvirtinimo
LVA	Latvija	Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §)
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2023

n-BUTYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	710		950		
TLV	CZE	950	196,65	1200	248,4	
AGW	DEU	300	62	600 (C)	124 (C)	
TLV	DNK	710	150			
VLA	ESP	724	150	965	200	
TLV	EST	500	100	700	150	

		TRAFIMET GROUP SPA A SOCIO UNICO				Revision nr. 5 Dated 25/06/2024			
		Indelible paint marker. Red				Printed on 26/06/2024 Page n. 6/15 Replaced revision:4 (Dated: 25/06/2024)			
VLEP	FRA	710	150	940	200				
TLV	GRC	710	150	950	200				
AK	HUN	241		723					
GVI/KGVI	HRV	724	150	966	200				
RD	LTU	500	100	700	150				
RV	LVA	200							
TLV	NOR		75						
TGG	NLD	150							
NDS/NDSch	POL	240		720					
TLV	ROU	715	150	950	200				
NGV/KGV	SWE	500	100	700 (C)	150 (C)				
NPEL	SVK	500	100	700	150				
MV	SVN	300	62	600	124				
WEL	GBR	724	150	966	200				
OEL	EU	241	50	723	150				
TLV-ACGIH			50		150				
Predicted no-effect concentration - PNEC									
Normal value in fresh water				0,18	mg/l				
Normal value in marine water				0,018	mg/l				
Normal value for fresh water sediment				0,981	mg/kg				
Normal value for marine water sediment				0,098	mg/kg				
Normal value for water, intermittent release				0,36	mg/l				
Normal value of STP microorganisms				35,6	mg/l				
Normal value for the terrestrial compartment				0,09	mg/kg				
Normal value for the atmosphere				NPI					
Health - Derived no-effect level - DNEL / DMEL									
		Effects on consumers			Effects on workers				
Route of exposure		Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI	6 mg/kg bw/d	NPI	6 mg/kg bw/d				
Inhalation		300 mg/m3	300 mg/m3	35,7 mg/m3	35,7 mg/m3	600 mg/m3	600 mg/m3	300 mg/m3	300 mg/m3
Skin						NPI	11 mg/kg bw/d	NPI	11 mg/kg bw/d
CALCIUM CARBONATE									
Threshold Limit Value									
Type	Country	TWA/8h		STEL/15min		Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
VLEP	FRA	10							
AK	HUN	10							
RV	LVA	6							
NDS/NDSch	POL	10				INHAL			
WEL	GBR	10							
Predicted no-effect concentration - PNEC									
Normal value in fresh water				NPI					
Normal value in marine water				NPI					



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Normal value for fresh water sediment	NPI
Normal value for marine water sediment	NPI
Normal value for water, intermittent release	NPI
Normal value of STP microorganisms	NPI
Normal value for the food chain (secondary poisoning)	NEA
Normal value for the terrestrial compartment	NPI
Normal value for the atmosphere	NPI

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		6.1 mg/kg bw/d		6.1 mg/kg bw/d				
Inhalation	NPI	NPI	1.06 mg/m3	NPI	NPI	NPI	6.36 mg/m3	NPI
Skin	NPI	NPI	NPI	NPI	NPI	NPI	NPI	NPI

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

Comply with the safety measures usually applied when handling chemical substances.

GENERAL PROTECTIVE AND LABOR HYGIENE RULES

Keep away from food, drink and fodder. Wash hands before breaks or after work. Avoid contact with eyes.

HAND PROTECTION

Use gloves. Suitable materials: butyl rubber, chloroprene rubber. Observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Full contact

Material: butyl rubber

minimum thickness: 0.3 mm

breakthrough time: 480 min.

Spray contact

Material: Natural latex / chloroprene

minimum thickness: 0.6 mm

breakthrough time: 35 min.

SKIN PROTECTION

Not necessary for normal use.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

FACE AND EYE PROTECTION

Wear protective goggles (ref. Standard EN 166).

Respiratory protection

Not necessary for normal use. In the event of vapors formation, use mask according to Legislative Decree 475/92 - UNI standards.

Filters according to the European classification:

- AX filter: organic gases and vapors

Supports:



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- semi-mask

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Properties	Value	Information
Appearance	liquid	
Colour	red	
Odour	solvent	
Melting point / freezing point	not available	
Initial boiling point	124 °C	
Flammability	flammable liquid	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	$23 \leq T \leq 60$ °C	
Auto-ignition temperature	370 °C	
Decomposition temperature	not available	
pH	not applicable	
Kinematic viscosity	not available	
Solubility	immiscible	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	55 hPa	Temperature: 50 °C
Density and/or relative density	1,98 g/ml	Temperature: 20 °C
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU)	67,00 % - 872,63	g/litre
VOC (volatile carbon)	0	
Explosive properties	not explosive	
Oxidising properties	not oxidizing	

SECTION 10. Stability and reactivity**10.1. Reactivity**



There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Under normal conditions of use and storage no dangerous reactions are foreseeable.

10.4. Conditions to avoid

Excess heat. Keep away from open flames, heated surfaces and sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

In case of thermal decomposition: carbon monoxide (CO). Carbon dioxide (CO₂).

CALCIUM CARBONATE

May develop: calcium oxides, carbon oxides.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

n-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

n-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

n-BUTYL ACETATE



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A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)

n-BUTYL ACETATE

LD50 (Dermal):	> 5000 mg/kg Rabbit
LD50 (Oral):	> 6400 mg/kg Rat
LC50 (Inhalation vapours):	21,1 mg/l/4h Rat

CALCIUM CARBONATE

LD50 (Oral):	6450 mg/kg Rat
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SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards



Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

n-BUTYL ACETATE	
LC50 - for Fish	18 mg/l/96h Pimephales promelas

12.2. Persistence and degradability

n-BUTYL ACETATE	
Solubility in water	1000 - 10000 mg/l

CALCIUM CARBONATE	
Solubility in water	0,1 - 100 mg/l

12.3. Bioaccumulative potential

n-BUTYL ACETATE	
Partition coefficient: n-octanol/water	2,3
BCF	15,3

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Waste transportation may be subject to ADR restrictions.



CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 1263

14.2. UN proper shipping name

ADR / RID: PAINT or PAINT RELATED MATERIAL SOLUTION
IMDG: PAINT or PAINT RELATED MATERIAL SOLUTION
IATA: PAINT or PAINT RELATED MATERIAL SOLUTION

14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3
IMDG: Class: 3 Label: 3
IATA: Class: 3 Label: 3



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: NO
IMDG: not marine pollutant
IATA: NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 30	Limited Quantities: 5 lt	Tunnel restriction code: (D/E)
	Special provision: 163, 367, 650		
IMDG:	EMS: F-E, <u>S-E</u>	Limited Quantities: 5 lt	
		Maximum quantity: 220 L	Packaging instructions: 366
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 355
	Passengers:		
	Special provision:	A3, A72, A192	

**14.7. Maritime transport in bulk according to IMO instruments**

Information not relevant

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EU: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Contained substance

Point 75 CALCIUM CARBONATE

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters



15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament



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- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
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- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
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- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for the user:

The information contained in this sheet is based on the knowledge available to us on the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under the direct control of the Manufacturer, the user is obliged to observe, under his own responsibility, the laws and regulations in force regarding hygiene and safety. The manufacturer assumes no responsibility for improper use of the product.

It is the responsibility of the user to provide adequate training to the personnel involved in the use of chemical products.

This document was written by a skilled SDS technician who has received appropriate training.

CLASSIFICATION CALCULATION METHODS

Physical and chemical hazards: The classification of the product has been derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the physical and chemical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11.

Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Changes to previous review:

The following sections were modified:

14.