

Safety Data Sheet

TIP TOP SOLUTION T2-B4

according to JIS Z 7253:2019
Revision date: 3/14/2025 Version: 2.5
SDS No: 00156-0114



1. Chemical product and company identification

Substance name : TIP TOP SOLUTION T2-B4
Product code : 517 9015

Recommended use of the chemical and restrictions on use

Recommended use : Assembling solution

Company information

Manufacturer

REMA TIP TOP AG
85586
Germany Poing Gruber Strasse 65
T +49 (0) 8121 / 707 - 100
info@tiptop.de

Informing department

REMA TIP TOP- Japan
Japan 452-0821 Nagoya 338, Kamiotai 2- Chome, Nishi-ku
T +81 (0) 52 502 3500 - F +81 (0) 52 502 3620
www.tiptop-japan.co.jp

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

Emergency telephone number

Emergency number : INTERNATIONAL: +49 (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

2. Hazards identification

GHS classification

Physical hazards	Flammable liquids	Category 2
Health hazards	Serious eye damage/eye irritation	Category 2
	Specific target organ toxicity (single exposure)	Category 3 (Narcosis)
	Aspiration hazard	No classification
Environmental hazards	Hazardous to the aquatic environment, short-term (acute)	Category 2
	Hazardous to the aquatic environment, long-term (chronic)	Category 2

Label elements

Hazard pictograms (GHS JP)



Signal word (GHS JP) : Danger
Hazard statements (GHS JP) : Highly flammable liquid and vapour (H225)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness (H336)
Toxic to aquatic life with long lasting effects. (H411)

Precautionary statements (GHS JP)

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not breathe vapours. (P260)
Wear protective gloves, protective clothing, eye protection, face protection. (P280)
Avoid release to the environment (P273)

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Response : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353)
IF INHALED: Remove person to fresh air and keep comfortable for breathing (P304+P340)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Call a POISON CENTER, a doctor if you feel unwell. (P312)

Other hazards which do not result in classification

Other hazards not contributing to the classification : Vapours may form explosive mixture with air.

3. Composition/information on ingredients

Distinction of substance or mixture : Mixture
Comments : Preparation in organic solvents.

Name	Concentration (%)	Formula	Reference number in the gazette list		CAS-No.
			CSCL No.	ISHL No.	
Zinc oxide	< 2.5	OZn	(1)-561	Existing Chemical Substance	1314-13-2
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (< 30 %)	< 30	-	-	-	92062-15-2
N-Cyclohexyl-N-ethylamine	< 1	C8H17N	-	3-(4)-247	5459-93-8
Zinc bis(N-ethyl-N-phenyl)dithiocarbamate)	< 1	C18H20N2S4Zn	(3)-2186	Existing Chemical Substance	14634-93-6
zinc bis(dibutyl)dithiocarbamate)	< 0.5	C18H36N2S4Zn	(2)-2122	Existing Chemical Substance	136-23-2
Ethyl acetate	≥ 50 - < 55	C4H8O2	(2)-726	Existing Chemical Substance	141-78-6

4. First aid measures

First aid measures

First-aid measures general : Take off immediately all contaminated clothing.
In the event of persistent symptoms receive medical treatment.
Move the affected person away from the contaminated area.

First-aid measures after inhalation : Move to fresh air in case of accidental inhalation of vapours or decomposition products.
In the event of persistent symptoms receive medical treatment.

First-aid measures after skin contact : Wash off immediately with soap and plenty of water.
Get medical advice if skin irritation persists.

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- First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Consult an eye specialist.
- First-aid measures after ingestion : Do not induce vomiting without medical advice.
Rinse mouth out with water.
Drink plenty of water.
Never give anything by mouth to an unconscious person.
Call a physician immediately.

Most Important Symptoms/Effects

- Symptoms/effects after inhalation : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : Aspiration hazard.

Notes to physician

- Treatment : Treat symptomatically.

5. Fire fighting measures

- Suitable extinguishing media : Foam, Water spray, Dry powder, Carbon dioxide
- Unsuitable extinguishing media : high volume water jet
- Fire hazard : Highly flammable liquid and vapour.
- Hazardous decomposition products in case of fire : In case of fire: dangerous decomposition products are formed, Carbon oxides (CO, CO₂), Nitrogen oxides, Sulphur oxides
- Firefighting instructions : Fight fire from safe distance and protected location.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment.
Self-contained breathing apparatus.
Complete protective clothing.
- Precautionary measures fire : Cool endangered containers with water spray jet.
- Other information : Vapours are heavier than air and may spread along floors.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

- General measures : In case of vapour formation use adequate respirator.
Ensure adequate air ventilation.
Evacuate personnel to a safe area.
Use personal protective clothing.
Remove ignition sources.
Use explosion-proof equipment.

For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment.
For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

- Environmental precautions : Do not discharge into the drains/surface waters/groundwater.

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Methods and Equipment for Containment and Cleaning up

- For containment : Dam up the liquid spill.
- Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).
Shovel or sweep up and put in a closed container for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

7. Handling and storage

Handling

- Technical measures : No data available
- Precautions for safe handling : Pay attention to anti-explosion protection rules: In case of an explosive atmosphere use only explosion-proof equipment.
Take precautionary measures against static discharge.
Keep container tightly closed.
Vapours are heavier than air and may spread along floors.
Ensure good ventilation of the work station.
Avoid contact with skin, eyes and clothing.
Keep away from heat and sources of ignition.
Do not smoke.

Prevents handling of incompatible substances or mixtures : No data available

- Hygiene measures : Do not inhale vapour.
Treat subsequently with skin cream.
Avoid contact with skin, eyes and clothing.
Do not eat, drink or smoke when using this product.
Always wash hands after handling the product.

Storage

- Storage conditions : Keep container tightly closed.
Store in a well-ventilated place.
Keep cool.
Keep away from sources of ignition.

Material used in packaging/containers : No data available

Technical measures : Pay attention to explosion protection guidelines.
Ground/bond container and receiving equipment.

Incompatible materials : oxidizing materials. Nitrous acid and other nitrosating agents.

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

8. Exposure controls / Personal protection equipment

- Monitoring methods : A specific exposure sampling method is not available
- Biological monitoring methods : A specific exposure sampling method is not available

Zinc oxide (1314-13-2)	
Japan - Occupational Exposure Limits (JSOH)	
Local name	第 2 種粉塵 (結晶質シリカ含有率 3% 未満の鋳物性粉塵, 酸化亜鉛) # Dusts Class 2 (Dusts containing less than 3% crystalline silica, Zinc oxide)
JSOH OEL	1 mg/m ³ 吸入性粉塵 4 mg/m ³ 総粉塵
Regulatory reference	JCDB の調査による

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Ethyl acetate (141-78-6)	
Japan - Occupational Exposure Limits (JSOH)	
Local name	酢酸エチル # Ethyl acetate
JSOH OEL	720 mg/m ³
	200 ppm
Regulatory reference	許容濃度等の勧告 (2023 年度) 産衛誌 65 巻
Japan - Occupational Exposure Limits (Administration level (MHLW))	
Local name	酢酸エチル # Acetic acid ethyl ester
MHLW Administration Level	200 ppm
Regulatory reference	作業環境評価基準 平成 29 年度版

Appropriate engineering controls : Ensure good ventilation of the work station.

Protective equipment

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A - High-boiling (>65 °C) organic compounds	In case of inadequate ventilation wear	EN 14387

Hand protection : Splash protection, This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions, Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
protective gloves	Butyl rubber	4 (> 120 minutes)	≥0.7		EN ISO 374
protective gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	≥0.4		EN ISO 374

Eye protection : Eyewash bottle with clean water (EN 15154)

Type	Field of application	Characteristics	Standard
Protective goggles (EN 166)	Liquid splashes may occur		EN 166
Type	Standard		
Long sleeved protective clothing	EN ISO 6530		

Environmental exposure controls : Avoid release to the environment.

Other information : Wash hands before breaks and at the end of workday.
Wash hands immediately after handling the product.
Do not eat, drink or smoke during use.
Treat subsequently with skin cream.
Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

Physical state : Liquid
Colour : Black
Odour : Ester like
pH : No data available
Melting point : < -20 °C
Freezing point : No data available
Boiling point : > 76 °C

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Flash point	: -18 °C
Auto-ignition temperature	: 460 °C
Decomposition temperature	: No data available
Flammability	: Not applicable
Vapour pressure	: Not determined
Relative density	: No data available
Density	: 0.9 g/cm ³ @20°C
Relative gas density	: No data available
Solubility	: immiscible. at 20 °C.
Log Pow	: No data available
Explosive properties	: Product is not explosive. May form flammable/explosive vapour-air mixture.
Explosive limits (vol %)	: No data available
Lower explosive limit (LEL)	: 2.1 vol %
Upper explosive limit (UEL)	: 11.5
Oxidising properties	: Not oxidising
Viscosity, kinematic	: > 20.5 mm ² /s @ 40 ° C
VOC content	: < 80 %
Particle characteristics	: No data available
Additional information	: Efflux time > 30s @23°C, 3 DIN/ISO 2431. Solvent content < 80%. Solvent separation test (%) 0

10. Stability and reactivity

Reactivity	: No decomposition if stored normally.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reactions with oxidizing agents.
Conditions to avoid	: Vapour/air-mixtures are explosive at intense warming. Heating can release vapours which can be ignited. To avoid thermal decomposition, do not overheat.
Incompatible materials	: Nitrous acid and other nitrosating agents. Oxidizing agent.
Hazardous decomposition products	: An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces. Thermal decomposition generates : Carbon oxides (CO, CO ₂). Nitrogen oxides. Sulphur oxides.

11. Toxicological information

Potential adverse human health effects and symptoms	: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product, High concentration of vapours may induce: headache, nausea, dizziness, An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces
Acute toxicity (oral)	: (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: (Based on available data, the classification criteria are not met)

Zinc oxide (1314-13-2)

LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 Inhalation - Rat	> 5.7 mg/l/4h

Ethyl acetate (141-78-6)

LD50 oral rat	5620 mg/kg
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Ethyl acetate (141-78-6)	
LD50 dermal rabbit	> 18000 mg/kg
LC50 Inhalation - Rat	56 mg/l/4h
Skin corrosion/irritation	: (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory sensitization	: Based on available data, the classification criteria are not met
Skin sensitization	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: (Based on available data, the classification criteria are not met)
Carcinogenicity	: (Based on available data, the classification criteria are not met)
Reproductive toxicity	: (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause drowsiness or dizziness
STOT-repeated exposure	: (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

12. Ecological information

Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

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EC50 96h - Algae [1]	> 10000 mg/l
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 3% normal hexane (< 30 %) (92062-15-2)	
LC50 fish 1	12 mg/l 96 h, Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	3 mg/l 48 h, Daphnia magna (Water flea)
EC50 72h - Algae [1]	55 mg/l 72 h, Pseudokirchneriella subcapitata
zinc bis(dibutyldithiocarbamate) (136-23-2)	
LC50 fish 1	520 mg/l 96 h, Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	0.74 mg/l 48 h, Daphnia magna (Water flea)
Ethyl acetate (141-78-6)	
LC50 fish 1	230 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	610 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	5600 mg/l 48 h, Scenedesmus subspicatus
NOEC chronic crustacea	2.4 mg/l 21 d, Daphnia magna (Water flea)
NOEC chronic algae	> 100 mg/l 72 h, Desmodesmus subspicatus

Persistence and degradability

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Persistence and degradability	No data available.

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Bioaccumulative potential

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Bioaccumulative potential	No data available.

Mobility in soil

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Mobility in soil	No data available
Ecology - soil	No data available.

Hazardous to the ozone layer

Ozone : No data available

Other adverse effects

Other adverse effects : Slightly hazardous to water

Other information : Do not flush into surface water or sewer system

13. Disposal considerations

Product/Packaging disposal recommendations : Packaging that cannot be cleaned should be disposed of like the product. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Empty containers should be taken for local recycling, recovery or waste disposal.




Waste treatment methods : Recycling is preferred to disposal or incineration. Can be incinerated according to local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

14. Transport information

International Regulations

In accordance with UN RTDG / IMDG / IATA / ADN / RID / ADR

United Nations Recommendations on the Transport of Dangerous Goods (UN RTDG)	Transport by sea (IMDG)	Air transport (IATA)
UN number		
1133	1133	1133
UN proper shipping name		
ADHESIVES	ADHESIVES	Adhesives (Solvent naphtha (petroleum))
Transport hazard class(es)		
3	3	3
		

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United Nations Recommendations on the Transport of Dangerous Goods (UN RTDG)	Transport by sea (IMDG)	Air transport (IATA)
Packing group		
II	II	II
Environmental hazards		
Dangerous for the environment : Applicable	Dangerous for the environment : Applicable Marine pollutant : Applicable	Dangerous for the environment : Applicable

Marine pollutant : Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Regulations in Japan

Regulatory information by sea : Conform to the provisions of the Ship Safety Law.
Regulatory information by air : Conform to the provisions of the Civil Aeronautics Law.
Other information : No supplementary information available

15. Regulatory information

National law

Industrial Safety and Health Law : Class 2 Organic Solvents etc. (Enforcement Order, Art., Appended Table 6-2, Ordinance on Prevention of Organic Solvent Poisoning, Art.1, Para.1, Item 4)
Applicable condition:
第1種、第2種有機溶剤を5重量%を超えて含有するもの（有機則第1条四ハ）
Working Environment Assessment Standard (Act, Art.65-2, Para.1)
Dangerous or Harmful Substances for Labeling of Chemical Name etc. (Act Art.57 Para.1, Enforcement Order, Art.18 Item 1 and 2, Appended Table No.9)
Applicable condition:
含有する製剤その他の物。ただし、含有量が1重量%未満のものを除く。また、
運搬中及び貯蔵中において固体以外の状態にならず、かつ、粉状にならない物
（次の各号のいずれかに該当するものを除く。）を除く。 1号 令別表第1に
掲げる危険物 2号 危険物以外の可燃性の物等爆発又は火災の原因となるおそ
れのある物 3号 酸化カルシウム、水酸化ナトリウム等を含有する製剤その他
の物であつて皮膚に対して腐食の危険を生ずるもの（施行令第18条第2号、
安衛則第30条別表第2）
Dangerous Substances, Flammable Substances (Enforcement Order, Art.,
Appended Table 1, Item 4)
Dangerous or Harmful Substances for Notification of Chemical Name etc. on SDS
(Act, Art.57-2, Enforcement Order, Art.18-2 Item 1 and 2, Appended Table 9)
Ethyl acetate (Ordinance number : 177) (50 ~ 60%)
Zinc oxide (Ordinance number : 188) (under 5%)
Applicable condition:
含有する製剤その他の物。ただし、含有量が0.1重量%未満のものを除く。
（施行令第18条の2第2号、安衛則第34条の2別表第2）
含有する製剤その他の物。ただし、含有量が1重量%未満のものを除く。（施行
令第18条の2第2号、安衛則第34条の2別表第2）

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	<p>Substances on Special medical examination, Current handling workers (Act, Art.66, Para.2, Enforcement Order, Art.22 Item 1)</p> <p>Applicable condition: 第1種有機溶剤又は第2種有機溶剤を5重量%を超えて含有するもの。ただし、第1種有機溶剤を5重量%を超えて含有するものを除く。(有機則第1条第1項第4号)</p>
Water Pollution Prevention Law	: Designated Substances (Act, Art.2, Para.4, Enforcement Order, Art.3-3)
Fire Service Law	: Group 4, Flammable Liquids, Class 1 Petroleum, Water-insoluble liquids (Act, Art.2, Para.7, Appended Table 1, Group 4)
	Applicable condition: 1気圧において、液体であって、危険物令第1条の6で定める試験において引火性を示し引火点が21℃未満のもの(法別表第1・備考12)
Offensive Odor Control Law	: Specified Offensive Odor Substances (Enforcement Order, Art.1)
	Applicable condition: 排気
Air Pollution Control Law	: Possible Hazardous Air Pollutants (Central Environment Council Report 9)
	Applicable condition: 排気 Volatile Organic Compounds (Act, Art.2, Para.4) (Environment Agency Notification to Prefectures)
	Applicable condition: 排気
Law Relating to Prevention of Marine Pollution and Maritime Disasters	: Dangerous Goods (Enforcement Order, Art. Appended Table 1-4) Harmful Liquid Substances (Group Y), (Enforcement Order, Art. Appended Table 1) Harmful Liquid Substances (Group Z), (Enforcement Order, Art. Appended Table 1)
Foreign Exchange and Foreign Trade Control Act	: Approval for Item 2-2 (Import Trade Control Order, Art.4, Para. 1, Item 2)
	Applicable condition: (廃棄物) 【特定有害廃棄物輸出入規制法(バーゼル法)】別表第7の中欄に掲げるいずれの試験においても当該試験の区分に応じ同表の下欄に掲げる性状を示すことのないものを含まないもの(別表第6備考) (廃棄物) 【特定有害廃棄物輸出入規制法(バーゼル法)】ハロゲン化されたものを除く 0.1重量%以上含む物 Export Trade Control Order, Appended Table 1, Para.16 Export Approval (Export Trade Control Order, Appended Table 2)
	Applicable condition: (廃棄物) 【特定有害廃棄物輸出入規制法(バーゼル法)】別表第7の中欄に掲げるいずれの試験においても当該試験の区分に応じ同表の下欄に掲げる性状を示すことのないものを含まないもの(別表第6備考) (廃棄物) 【特定有害廃棄物輸出入規制法(バーゼル法)】ハロゲン化されたものを除く 0.1重量%以上含む物
Ship Safety Act	: Flammable liquids
Civil Aeronautics Law	: Flammable liquids
Port Regulation Law	: Flammable liquids
Road Act	: Traffic Restriction for Vehicle (Enforcement Order, Art.19-13, Public Notice No.12 of Japan Highway Public Corp., Appended Table 2)
	Applicable condition: 1気圧において、液体であって、危険物令第1条の6で定める試験において引火性を示し引火点が21℃未満のもの(法別表第1・備考12)

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Law for the Control of Export, Import and Others of Specified Hazardous Wastes and Other Wastes (Basel Convention)	: Specified hazardous waste (Act, Art.2, Para.1-1 (a), Ministerial Ordinance No.12 of June 18, 2018) Applicable condition: 別表第7の中欄に掲げるいずれの試験においても当該試験の区分に応じ同表の下欄に掲げる性状を示すことのないものを含まないもの (別表第6備考) ハロゲン化されたものを除く 0. 1重量%以上含む物
Waterworks Law	: Hazardous substances (Act, Art. 4, Para 2), Standard for water quality (Ministerial Ordinance No.101of 2003,)
Sewerage Law	: Substances for Water Quality Standard (Act, Art.12-2, Para.2, Enforcement Order Art.9-4)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)	: Class 1 Designated Chemical Substances (Act, Art.2, Para.2, Enforcement Order, Art.1 Appended Table 1) Zinc compounds (water-soluble) (Maintenance number : 1) (1.6%) Applicable condition: 含有する製品は、第1種指定化学物質質量の割合が1質量%以上であって、次の各号のいずれにも該当しないもの。(施行令第5条) 1 事業者による取扱いの過程において固体以外の状態にならず、かつ、粉状又は粒状にならない製品 2 第1種指定化学物質が密封された状態で取り扱われる製品 3 主として一般消費者の生活の用に供される製品 4 資源の有効な利用の促進に関する法律第2条第4項に規定する再生資源
Labor Standards Act	: Chemical Substances Causing Illness (Act, Art.75, Para.2, Enforcement Regulations, Appended Table No.1-2, Item 4-1)

16. Other information

Other information	: Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.
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Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
IARC	International Agency for Research on Cancer
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic

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Abbreviations and acronyms:	
PNEC	Predicted No-Effect Concentration
CAS	CAS (Chemical Abstracts Service) number
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF	Bioconcentration factor
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

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