Asplit® VP 788 Solution

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)
Issue date: 2/28/2013 Revision date: 4/29/2026 Supersedes: 4/22/2022 Version: 1.4
SDS No: 00359-1151

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Asplit® VP 788 Solution
Product code : 592 0080, 592 0081, 592 0082

1.2. Other means of identification

No additional information available.

1.3. Recommended use of the chemical and restrictions on use

Recommended use : putties

1.4. Supplier's details

Importer
REMA TIP TOP / North America Inc.
1500 Industrial Blvd
Madison, GA 30650, USA
USA
T +1 800 225 7362
www.rematiptop.com
E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number : INTERNACIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
(USA domestic) 1 800 535 5053 or international (001) 352 323 3500 Infotrac/GBK GmbH-ID: 93591

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 4	H227	Combustible liquid.
Acute toxicity (oral), Category 3	H301	Toxic if swallowed.
Acute toxicity (dermal), Category 4	H312	Harmful in contact with skin.
Acute toxicity (inhalation), Category 3	H331	Toxic if inhaled.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) : H227 - Combustible liquid
H301+H331 - Toxic if swallowed or if inhaled
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer.
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe vapors.
P280 - Wear eye protection, face protection, protective gloves, protective clothing.
P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER.
P302+P352 - If on skin: Wash with plenty of water.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available.

2.4. Hazards not otherwise classified

No additional information available.

2.5. Unknown acute toxicity

No additional information available.

SECTION 3 Composition/information on ingredients

Mixtures

Name	Product identifier	%	GHS US classification
furfuryl alcohol	CAS-No.: 98-00-0	~ 45	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Phenol	CAS-No.: 108-95-2	~ 0.4	Not classified
N-(3-(trimethoxysilyl)propyl)ethylenediamine	CAS-No.: 1760-24-3	~ 0.1	Not classified
Formaldehyde	CAS-No.: 50-00-0	< 0.1	Carc. 1B, H350 Muta. 2, H341 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
Phenol	CAS-No.: 108-95-2	(1 ≤ C < 3) Skin Irrit. 2; H315 (1 ≤ C < 3) Eye Irrit. 2; H319 (3 ≤ C ≤ 100) Skin Corr. 1B; H314
Formaldehyde	CAS-No.: 50-00-0	(5 ≤ C < 25) Eye Irrit. 2; H319 (5 ≤ C < 25) Skin Irrit. 2; H315 (5 ≤ C ≤ 100) STOT SE 3; H335 (25 ≤ C ≤ 100) Skin Corr. 1B; H314

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Remove immediately contaminated clothing. Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

First-aid measures after inhalation : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. In the event of symptoms refer for medical treatment.

First-aid measures after skin contact : Wash with water and soap as a precaution. If symptoms persist, call a physician.

First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse out mouth thoroughly with water. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately. Do not induce vomiting without medical advice.

4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms	:	Watch out. Beware, hazard of foam aspiration.
Symptoms/effects after inhalation	:	Toxic if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	:	Causes skin irritation.
Symptoms/effects after eye contact	:	Causes serious eye irritation.
Symptoms/effects after ingestion	:	Toxic if swallowed.
Chronic symptoms	:	Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treatment	:	Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Alcohol resistant foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	:	high volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Could burn but do not ignite readily.
Explosion hazard	:	Product is not explosive. Explosive vapor/air mixtures may be formed.
Hazardous decomposition products in case of fire	:	Carbon oxides (CO, CO2).

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire	:	Cool endangered containers with water spray jet.
Firefighting instructions	:	Fight fire from safe distance and protected location.
Protection during firefighting	:	In case of fire, wear suitable respiratory equipment with positive air supply. Protective suit.
Other information	:	Do not allow run-off from fire fighting to enter drains or water courses. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Ensure adequate air ventilation. Use personal protective clothing. In case of vapor formation use adequate respirator. Evacuate personnel to a safe area.

For non-emergency personnel

Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes.

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	:	Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Clean contaminated surface thoroughly.

6.2. Methods and materials for containment and cleaning up

For containment	:	Dike and contain spill.
Methods for cleaning up	:	Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Shovel or sweep up and put in a closed container for disposal.

Refer to protective measures listed in Sections 7 and 8. For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep the container tightly closed. Do not breathe vapors. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. vapors may form explosive mixture with air.

Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep container tightly closed in a dry, cool and well-ventilated place. Keep out of direct sunlight.

Incompatible materials : oxidizing materials.

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

Specific end uses : See Section 1.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

furfuryl alcohol (98-00-0)	
USA - ACGIH® - Threshold Limit Values	
Local name	Furfuryl alcohol
ACGIH® TLV® TWA	0.8 mg/m³
	0.2 ppm
Remark (ACGIH®)	TLV® Basis: URT & eye irr. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Furfuryl alcohol
OSHA PEL TWA	200 mg/m³
	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Furfuryl alcohol
NIOSH REL 10h TWA	10 ppm
NIOSH REL STEL	15 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

Formaldehyde (50-00-0)	
USA - ACGIH® - Threshold Limit Values	
Local name	Formaldehyde
ACGIH® TLV® TWA	0.12 mg/m³
	0.1 ppm
ACGIH® TLV® STEL	0.37 mg/m³
	0.3 ppm
Remark (ACGIH®)	TLV® Basis: URT & eye irr; URT cancer. Notations: DSEN; RSEN; A1 (Confirmed Human Carcinogen)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Formaldehyde
OSHA PEL TWA	0.75 ppm OSHA 1910.1048(c)(1)
OSHA PEL STEL	2 ppm OSHA 1910.1048(c)(2)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Phenol (108-95-2)	
USA - ACGIH® - Threshold Limit Values	
Local name	Phenol
ACGIH® TLV® TWA	19 mg/m³
	5 ppm
Remark (ACGIH®)	TLV® Basis: URT irr; lung dam; CNS impair. Notations: Skin; A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2025
USA - ACGIH® - Biological Exposure Indices	
Local name	Phenol
BEI	250 mg/g Kreatinin Parameter: Phenol - Medium: urine - Sampling time: End of shift - Notations: B, Ns
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Phenol
OSHA PEL TWA	19 mg/m³
	5 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Phenol
NIOSH REL 10h TWA	5 ppm
NIOSH REL C	15.6 ppm [15-min]

Phenol (108-95-2)	
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Monitoring methods	
Monitoring methods	A specific exposure sampling method is not available.
Biological monitoring methods	A specific exposure sampling method is not available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand 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. Pls. find examples in the protective gloves database under: http://bestglove.com/site/chemrest/

Type	Material	Permeation	Thickness (mm)	Penetration
Chemically resistant protective gloves	butyl rubber	6 (> 480 minutes)	≥ 0.7	
Chemically resistant protective gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	≥ 0.4	

Eye protection:

Eyewash bottle with clean water (EN 15154)

Type	Field of application	Characteristics
Protective goggles (EN 166)	Liquid splashes may occur	

Skin and body protection:

Type
Long sleeved protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Color : Brown
Odor : characteristic

Odor threshold	:	No data available.
pH	:	No data available.
Melting point	:	No data available.
Freezing point	:	No data available.
Boiling point	:	100 – 200 °C
Flash point	:	80 °C DIN EN ISO 2719
Flammability	:	No data available.
Vapor pressure	:	≈ 0.53 hPa @ 20°C , Solvent
Relative vapor density at 20°C	:	No data available.
Relative density	:	No data available.
Density	:	1.1 g/cm³ @20°C
Solubility	:	Water: Not miscible
Log Pow	:	No data available.
Auto-ignition temperature	:	390 °C Solvent
Decomposition temperature	:	No data available.
Viscosity, kinematic	:	No data available.
Viscosity, dynamic	:	400 – 800 mPa·s @ 23°C
Explosion limits	:	Lower explosive limit (LEL): 1.8 Vol-% Upper explosive limit (UEL): 16.3 Vol-%
Explosive properties	:	Product is not explosive. May form flammable/explosive vapor-air mixture.
Oxidizing properties	:	Not oxidising.
Particle characteristics	:	No data available.

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content	:	0 %

SECTION 10 Stability and reactivity

10.1. Reactivity

No decomposition if stored normally.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

oxidizing materials.

10.4. Conditions to avoid

Keep out of direct sunlight. To avoid thermal decomposition, do not overheat. vapor/air mixtures are explosive.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On thermal decomposition (pyrolysis), releases : Carbon oxides (CO, CO2).

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Toxic if swallowed.

Acute toxicity (dermal) : Harmful in contact with skin.
Acute toxicity (inhalation) : Toxic if inhaled.

Asplit® VP 788 Solution	
ATE US (oral)	222.222 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h

furfuryl alcohol (98-00-0)	
ATE US (oral)	100 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (dust, mist)	0.5 mg/l/4h

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
LD50 dermal rabbit	> 2000 mg/kg body weight rat, EPA OPPTS 870.1200
LC50 Inhalation - Rat	1.49 – 2.44 mg/l air rat, EPA OPPTS 870.1300, (OECD 403 method)

Formaldehyde (50-00-0)	
ATE US (oral)	100 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : No data available. (Based on available data, the classification criteria are not met)
Carcinogenicity : Suspected of causing cancer.

furfuryl alcohol (98-00-0)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : No data available. (Based on available data, the classification criteria are not met)
STOT-single exposure : May cause respiratory irritation.
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
NOAEL (oral,rat,90 days)	≥ 500 mg/kg body weight rat, (OECD 422 method)
NOAEL (dermal,rat/rabbit,90 days)	≥ 1545 mg/kg body weight rat

Aspiration hazard : No data available. (Based on available data, the classification criteria are not met)
Potential Adverse human health effects and symptoms : Watch out. Beware, hazard of foam aspiration.
Symptoms/effects after inhalation : Toxic if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact : Causes skin irritation.
Symptoms/effects after eye contact : Causes serious eye irritation.
Symptoms/effects after ingestion : Toxic if swallowed.

Chronic symptoms : Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short–term (acute) : No data available. (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long–term (chronic) : No data available. (Based on available data, the classification criteria are not met)

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
LC50 fish 1	597 mg/l Brachydanio rerio (zebra-fish)
EC50 Daphnia 1	81 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	126 mg/l Desmodesmus subspicatus
EC50 72h - Algae [2]	352 mg/l Desmodesmus subspicatus

Formaldehyde (50-00-0)	
ErC50 algae	4.89 mg/l

Phenol (108-95-2)	
EC50 Daphnia 1	3.1 mg/l Ceriodaphnia dubia
EC50 72h - Algae [1]	180 mg/l Dunaliella tertiolecta
EC50 72h - Algae [2]	217.6 mg/l Dunaliella tertiolecta
NOEC (chronic)	0.16 mg/l Daphnia magna (Water flea), 16 d
NOEC chronic fish	0.077 mg/l ('60 d)

12.2. Persistence and degradability

Asplit® VP 788 Solution	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Asplit® VP 788 Solution	
Bioaccumulative potential	No data available.

12.4. Mobility in soil

Asplit® VP 788 Solution	
Ecology - soil	No data available.

12.5. Other adverse effects

Ozone : No data available. (Based on available data, the classification criteria are not met)

Fluorinated greenhouse gases : No

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

SECTION 13 Disposal considerations

Waste treatment methods : Must follow special treatment according to local regulation. Where possible recycling is preferred to disposal.

Product/Packaging disposal recommendations : Contaminated packagings are to be treated like the product itself. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
UN2810	2810	2810
14.2. Proper Shipping Name		
Toxic, liquids, organic, n.o.s. (Furfuryl alcohol)	TOXIC LIQUID, ORGANIC, N.O.S. Furfuryl alcohol	Toxic liquid, organic, n.o.s. Furfuryl alcohol
14.3. Transport hazard class(es)		
6.1	6.1	6.1
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

14.6. Transport in bulk

Not applicable.

14.7. Special precautions for user

DOT

UN-No. (DOT) : UN2810

DOT Special Provisions (49 CFR 172.102)	:	IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	153
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203
DOT Packaging Bulk (49 CFR 173.xxx)	:	241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	220 L
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	40 - Stow ‘‘clear of living quarters’’

IMDG

Special provision (IMDG)	:	223, 274
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T7
Tank special provisions (IMDG)	:	TP1, TP28
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-A - SPILLAGE SCHEDULE Alfa - TOXIC SUBSTANCES
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW2

IATA

Special provision (IATA)	:	A3, A4, A137
PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y642
PCA limited quantity max net quantity (IATA)	:	2L
PCA packing instructions (IATA)	:	655
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	663
CAO max net quantity (IATA)	:	220L
ERG code (IATA)	:	6L

SECTION 15 Regulatory information

15.1. Federal regulations

Formaldehyde (50-00-0)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	100 lb

15.2. International regulations

No additional information available.

15.3. State regulations

WARNING: This product can expose you to , which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

Revision date : 4/29/2026

Issue date : 2/28/2013

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.

Full text of H-phrases	
H227	Combustible liquid
H301	Toxic if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure

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
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

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.