SECTION 1 - Indentification

1.1 Product identifier

Product name XPEL Wheel & Tire Cleaner

Product code R1548

1.2 Recommended use of the chemical and restrictions on use

Tire and wheel cleaner
Professional use
Industrial use
Consumer use (private households)
Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

1.3 Details of the supplier of the safety data sheet

XPEL, Inc.
3251 I-35
San Antonio, TX, 78219
T: +1 210-678-3700

1-210-678-3700
support@xpel.com
www.xpel.com

1.4 Emergency telephone number

Emergency Number

USA 1.800.535.5053
INTL 1.352.323.3500
24 hour emergency number

SECTION 2 - Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA “Hazard Communication Standard” (29 CFR 1910.1200)

Section	Hazard Class	Category	Hazard Class and Category	Hazard Statement
A.2	Skin corrosion/irritation	1	Skin Corr. 1	H314
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
B.16	substance or mixture corrosive to metals	1	Met. Corr. 1	H290

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects
Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis

2.2 Label Elements

Labelling acc. to OSHA “Hazard Communication Standard” (29 CFR 1910.1200)

Signal word danger

Pictograms

GHS05



Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

Precautionary statements

P234	Keep only in original packaging.
P260	Do not breathe dusts or mists.
P280	Wear eye protection/face protection.
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in corrosion resistant container with a resistant inner liner.
P501	Dispose of contents/container to industrial combustion plant.

Hazardous ingredients for labelling

Sodium metasilicate, anhydrous, N,N-Diethoxylated-N-coco-N-methylammonium chloride

2.3 Other Hazards

Results of PBT and vPvB assessment	Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0.1%.
Endocrine disrupting properties	Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

SECTION 3 - Composition/Information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Chemical Name	CAS No	Weight-%	Classification acc. to GHS
sodium metasilicate, anhydrous	6834-92-0	1 – < 5	Acute Tox. 4 / H302 Acute Tox. 3 / H331 Skin Corr. 1 / H314 Eye Dam. 1 / H318 STOT SE 3 / H335 Met. Corr. 1 / H290
1-butoxypropan-2-ol	5131-66-8	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Flam. Liq. 4 / H227
N,N-Diethoxylated-N-coco-N-methylammonium chloride	61791-10-4	1 – < 5	Eye Dam. 1 / H318

Hazardous ingredients, Consideration of other advice
This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS. Exact percentage of ingredients is withheld as a trade secret.

Remarks
For full text of abbreviations: see SECTION 16.

SECTION 4 - First-aid measures

4.1 Description of first-aid measures

General Advice	Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.
Eye Contact	Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Skin Contact	Wash with plenty of soap and water.
Inhalation	If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respirat-ory tract irritation, consult a physician. Provide fresh air.
Ingestion	Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects (acute and delayed)

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5 - Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

Unsuitable Extinguishing Media	Water jet

5.2 Specific hazard arising from the chemical

Substance or mixture corrosive to metals.

Hazardous combustion products	Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Protective equipment and precautions for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Remove persons to safety.
For emergency responders	Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Environmental precautions	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If sub-stance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Methods for Containment	Covering of drains. Use of adsorbent materials.
Methods for Clean-Up	Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder. Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materi-als: see section 10. Disposal considerations: see section 13.

SECTION 7 - Handling and storage

7.1 Precautions for safe handling

Advice on Safe Handling	Measures to prevent fire as well as aerosol and dust generation. Use local and general ventilation. Use only in well-ventilated areas. Handling of incompatible substances or mixtures. Do not mix with acids.
Advice on general occupational hygiene	Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in corrosive resistant container with a resistant inner liner. Protect against external exposure, such as frost. Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8 - Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits): This information is not available

Relevant DNELs of components

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sodium metasilic-ate, anhydrous	6834-92-0	DNEL	6.2 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
sodium metasilic-ate, anhydrous	6834-92-0	DNEL	1.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
1-butoxypropan-2-ol	5131-66-8	DNEL	147 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
1-butoxypropan-2-ol	5131-66-8	DNEL	52 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sodium metasilic-ate, anhydrous	6834-92-0	PNEC	7.5 mg/l	aquatic organisms	freshwater	short-term (single instance)
sodium metasilic-ate, anhydrous	6834-92-0	PNEC	1 mg/l	aquatic organisms	marine water	short-term (single instance)
sodium metasilic-ate, anhydrous	6834-92-0	PNEC	1,000 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	2.4 mg/kg	benthic organisms	sediment	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	5.3 mg/l	aquatic organisms	water	intermittent re-lease
1-butoxypropan-2-ol	5131-66-8	PNEC	0.24 mg/kg	pelagic organisms	sediment	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	0.53 mg/l	aquatic organisms	freshwater	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	0.052 mg/l	aquatic organisms	marine water	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	2.4 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	0.24 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
1-butoxypropan-2-ol	5131-66-8	PNEC	0.16 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls	General ventilation.
Individual protection measures (personal protective equipment)	Eye/face protection: Wear eye/face protection. Skin protection Hand protection: Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Other protection measures	Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.
Respiratory protection	In case of inadequate ventilation wear respiratory protection.
Environmental exposure controls	Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Property	Values
Physical state	liquid
Color	red
Odor	characteristic - fruity and sweet
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	>100 °C at 961 mbar closed cup
Auto-ignition temperature	260 °C
Decomposition temperature	not relevant
pH (value)	11 – 13 (25 °C)
Kinematic viscosity	not determined
Solubility(ies)	
Water solubility	miscible in any proportion
Partition coefficient	
Partition coefficient n-octanol/water (log value)	this information is not available
Vapor pressure	32 hPa at 25 °C
Density and/or relative density	
Density	1 g/cm^3 at 25 °C 8.7 lb/gal at 25 °C
Relative vapour density	information on this property is not available
Particle characteristics	not relevant (liquid)
Information with regard to physical hazard classes	there is no additional information
Other safety characteristics	
Miscibility	Completely miscible with water.
Temperature class (USA, acc. to NEC 500)	T2C (maximum permissible surface temperature on the equip-ment: 230°C)

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below “Conditions to avoid” and “Incompatible materials”. Substance or mixture cor-rosive to metals.

10.2 Chemical stability

See below “Conditions to avoid”.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA “Hazard Communication Standard” (29 CFR 1910.1200)

Acute toxicity Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
sodium metasilicate, anhydrous	6834-92-0	oral	1,152 mg/kg
sodium metasilicate, anhydrous	6834-92-0	inhalation: vapor	>2.1 mg/l/4h
sodium metasilicate, anhydrous	6834-92-0	inhalation: dust/mist	0.5 mg/l/4h
1-butoxypropan-2-ol	5131-66-8	oral	3,300 mg/kg
1-butoxypropan-2-ol	5131-66-8	dermal	>2,000 mg/kg

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

Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	Shall not be classified as a respiratory or skin sensitizer.
Germ cell mutagenicity	Shall not be classified as germ cell mutagenic.
Carcinogenicity	Shall not be classified as carcinogenic.
Reproductive toxicity	Shall not be classified as a reproductive toxicant.
Specific target organ toxicity - single exposure	Shall not be classified as a specific target organ toxicant (single exposure).
Specific target organ toxicity - repeated exposure	Shall not be classified as a specific target organ toxicant (repeated exposure).
Aspiration hazard	Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Ecotoxicity

Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
sodium metasilicate, anhydrous	6834-92-0	LC50	210 mg/l	fish	96 h
sodium metasilicate, anhydrous	6834-92-0	EC50	1,700 mg/l	aquatic invertebrates	48 h
1-butoxypropan-2-ol	5131-66-8	LC50	<1,000 mg/l	fish	96 h
1-butoxypropan-2-ol	5131-66-8	EC50	<320 mg/l	fish	96 h

Aquatic toxicity (chronic) of components					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
sodium metasilicate, anhydrous	6834-92-0	EC50	>100 mg/l	microorganisms	3 h
1-butoxypropan-2-ol	5131-66-8	EC50	>1,000 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0.1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information	Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.
Waste treatment of containers/packages	Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 3266
IMDG-Code	UN 3266
ICAO-TI	UN 3266

14.2 UN proper shipping name

DOT	Corrosive liquid, basic, inorganic, n.o.s.
IMDG-Code	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
ICAO-TI	Corrosive liquid, basic, inorganic, n.o.s.
Technical name (hazardous ingredients)	sodium metasilicate, anhydrous, grapefruit oil terpenes

14.3 Transport hazard class(es)

DOT	8
IMDG-Code	8
ICAO-TI	8

14.4 Packing group

DOT	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

non-environmentally hazardous acc. to the dan-gerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN3266, Corrosive liquid, basic, inorganic, n.o.s., (contains: sodium metasilicate, anhydrous, grapefruit oil terpenes), 8, III
Reportable quantity (RQ)	4,327,397 lbs (1,964,638 kg) (methanol) (sodium hydroxide)
Danger label(s)	8



Special provisions (SP)	IB3, T7, TP1, TP28
ERG No	154

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	-
Danger label(s)	8



Special provisions (SP)	223, 274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-B
Stowage category	A
Segregation group	18 - Alkalis

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s)	8



Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

IToxic Substances Control Act (TSCA) all ingredients are listed (ACTIVE) or exempt from listing

Superfund Amendment and Reauthorization Act (SARA TITLE III)

The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

Clean Air Act

none of the ingredients are listed

SECTION 15: Regulatory information

Right to Know Hazardous Substance List

Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	Name acc. to inventory	CAS No	Functionality	Authoritative Lists
water		7732-18-5	solvent	
sodium metasilicate, anhydrous		6834-92-0	cleaning agent	
1-butoxypropan-2-ol		5131-66-8	co-solvent	
N,N-Diethoxylated-N-coco-N-methylammonium chloride		61791-10-4	surfactant	
acrylate copolymer		75760-37-1	viscosity mod-ifier	
disodium cocoamphodipropionate		68604-71-7	surfactant	
Sodium C14-16 olefin sulfonate		68439-57-6	surfactant	
lauramine oxide		1643-20-5	surfactant	
Tetrasodium EDTA, anhydrous		64-02-8	chelate / se-questrant	
grapefruit oil terpenes		68917-32-8	fragrance	
sodium xylene sulphonate		1300-72-7	surfactant	
isopropyl myristate		110-27-0		
Myristamine oxide		3332-27-2	surfactant	
methanol	Methanol	67-56-1	alcohols	CA TACs IRIS Neurotoxicants NTP OHAT - Repr. or Dev. Toxicants OEHHA RELs Prop 65
IRIS Neurotoxicants				
NTP OHAT - Repr. or Dev. Toxic-ants				
OEHHA RELs				
Prop 65				
sodium sulfate		7757-82-6	cleaning agent	
Grapefruit oil		8016-20-4	fragrance	
sodium hydroxide	Sodium hydroxide	1310-73-2	pH adjusting agent	OEHHA RELs
Lime oil		68917-71-5	fragrance	
linalool	Linalool	78-70-6	fragrance	EU Fragrance Allergens
Lemon oil		8008-56-8	fragrance	
cocoyl hydroxyethylimidazoline		61791-38-6	non-function-al constituent	
Ethyl methylphenylglycidate		77-83-8	fragrance	
beta-Ionone		14901-07-6	fragrance	
C.I. Acid Red 14, disodium salt		3567-69-9	colorant	
citral		5392-40-5	fragrance	
benzyl benzoate	Benzyl benzoate	120-51-4	fragrance	EU Fragrance Allergens
4-(p-Hydroxyphenyl)-2-butanone		5471-51-2	fragrance	
Allyl heptanoate		142-19-8	fragrance	
Trisodium nitrilotriacetate		5064-31-3	chelate / se-questrant	
Octanal		124-13-0	fragrance	
Tricyclodecen-4-yl 8-acetate		5413-60-5	fragrance	

SECTION 15: Regulatory information

Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / PFAS / HHS / LHS	PBT / PFAS / HHS Threshold	De Minimis Con-centration Threshold
1-butoxypropan-2-ol		1022			1.0 %

Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
1-butoxypropan-2-ol			

Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classifications
GLYCOL ETHERS		E (Environmental hazard)

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals					
Name of substance	CAS No	Name acc. to inventory	Wt%	Remarks	Type of the toxicity
methanol	67-56-1	methanol	0.082		developmental

VOC content

Regulated Volatile Organic Compounds (VOC-EPA) 2.2 %

Regulated Volatile Organic Compounds (VOC-Cal ARB) 2.2 %

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed or exempt from listing
AU	AIIC	all ingredients are listed
CN	IECSC	all ingredients are listed
EU	ECSI	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	not all ingredients are listed
MX	INSQ	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
PH	PICCS	all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed

Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substances Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
Cal ARB	California Air Resources Board
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DEP CODE	Department of Environmental Protection Code
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % chang-es in response (e.g. on growth) during a specified time interval
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment
ERG No	Emergency Response Guidebook - Number
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na-tions
HHS	Higher hazard substance
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality dur-ing a specified time interval
LHS	Lower hazard substance
Met. Corr.	Substance or mixture corrosive to metals
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STOT SE	Specific target organ toxicity - single exposure
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IM-DG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code.	Text
H227	Combustible liquid.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely inten-ded for this product.

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet