



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	STEEL-IT #1002b Polyurethane (aerosol)
Registration number	-
Synonyms	None.
(M)SDS number	SDS-1002b-GER
Issue date	29-November-2012
Version number	01
Revision date	-
Supersedes date	-

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

Identified uses	Paint / Industrial coating.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer	Stainless Steel Coatings, Inc
Address	835 Sterling Road, South Lancaster, MA, 01561
Telephone number	+1 (978)365-9828
e-mail	sds@steel-it.com
Supplier	IHT GmbH Industrial Products
Address	Fasaneweg 2 64380 Rossdorf Germany
Telephone number	+49-6071/74416
Fax	+49-6071/951535
e-mail	iht.gmbh@t-online.de
Contact person	Kurt H.C. Böttcher

1.4. Emergency telephone number +1-800-424-9300, CHEMTREC

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification F+;R12, Carc. Cat. 3;R40, Xn;R48/20, Xi;R36/38, R43-67, R52/53

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable aerosols	Category 1	H222 - Extremely flammable aerosol.
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Health hazards

Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Skin sensitisation	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 narcotic effects	H336 - May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Category 2	H373 - May cause damage to organs (kidneys, lungs and respiratory system) through prolonged or repeated exposure.

Environmental hazardsHazardous to the aquatic environment,
long-term aquatic hazard

Category 3

H412 - Harmful to aquatic life with
long lasting effects.**Hazard summary****Physical hazards**

Extremely flammable.

Health hazards

Irritating to eyes and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness.

Environmental hazards

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Specific hazards

Overexposure to mists/vapors of this product may cause headache, dizziness, nausea, and respiratory tract irritation.

Main symptoms

Sensitisation. Skin irritation. Prolonged or repeated contact may dry skin and cause irritation. Upper respiratory tract irritation. Drowsiness and dizziness.

2.2. Label elements**Label according to Regulation (EC) No. 1272/2008 as amended****Contains:**

Acetone, Nickel, Stoddard solvent

Hazard pictograms**Signal word**

Danger

Hazard statements

H319 - Causes serious eye irritation.
 H315 - Causes skin irritation.
 H336 - May cause drowsiness or dizziness.
 H317 - May cause an allergic skin reaction.
 H351 - Suspected of causing cancer.
 H373 - May cause damage to organs (kidneys, lungs and respiratory system) through prolonged or repeated exposure.
 H222 - Extremely flammable aerosol.
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements**Prevention**

P251 - Pressurised container: Do not pierce or burn, even after use.
 P201 - Obtain special instructions before use.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P314 - Get medical advice/attention if you feel unwell.

Storage

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
 P405 - Store locked up.

Disposal

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information

Not applicable.

2.3. Other hazards

Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Propane	12-18	74-98-6 200-827-9	-	601-003-00-5	
Classification:	DSD:	F+;R12			
	CLP:	Flam. Gas 1;H220, Press. Gas;H280			
Acetone	10-16	67-64-1 200-662-2	-	606-001-00-8	#
Classification:	DSD:	F;R11, Xi;R36, R66-67			
	CLP:	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336			

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	10-15	98-56-6 202-681-1	-	-	
Classification:		DSD: R10, Xi;R36/37/38, R52			
		CLP: Flam. Liq. 3;H226, Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335			
Stoddard solvent	10-15	8052-41-3 232-489-3	-	649-345-00-4	
Classification:		DSD: R10, Xn;R65, Xi;R38, R67, N;R51-53			
		CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411			
Butane	8-14	106-97-8 271-009-7	-	649-195-00-X	
Classification:		DSD: F+;R12			
		CLP: Flam. Gas 1;H220, Press. Gas;H280			
Solvent naphtha (petroleum), medium aliph.	3-5	64742-88-7 265-191-7	-	649-405-00-X	
Classification:		DSD: R10, Xn;R65, Xi;R38, R67, N;R51/53			
		CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411			
Chromium	2 - 3	7440-47-3 231-157-5	-	-	#
Classification:		DSD: -			
		CLP: -			
Distillates (petroleum), hydrotreated light	1-2	64742-47-8 265-149-8	-	649-422-00-2	
Classification:		DSD: R10, Xn;R65, Xi;R38, R67, N;R51-53			
		CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, Acute Tox. 3;H331, STOT SE 3;H336, Aquatic Chronic 2;H411			
Nickel	1-2	7440-02-0 231-111-4	-	028-002-00-7	
Classification:		DSD: Carc. Cat. 3;R40, T;R48/23, R43, R52/53			
		CLP: Skin Sens. 1;H317, Carc. 2;H351, STOT RE 1;H372, Aquatic Chronic 3;H412			
Xylene	<1	1330-20-7 215-535-7	-	601-022-00-9	#
Classification:		DSD: R10, Xn;R20/21, Xi;R38			
		CLP: Flam. Liq. 3;H226, Acute Tox. 4;H312, Skin Irrit. 2;H315, Acute Tox. 4;H332			

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

#: This substance has workplace exposure limit(s).

Composition comments

The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact

Wash area with soap and water. Get medical attention if irritation develops or persists.

Eye contact	Check for and remove any contact lenses. Immediately flush with plenty of water for up to 15 minutes. Get medical attention immediately.
Ingestion	Get medical attention if any discomfort occurs.
4.2. Most important symptoms and effects, both acute and delayed	Prolonged or repeated contact may dry skin and cause irritation. Sensitisation. Skin irritation. Upper respiratory tract irritation. Headaches, dizziness and nausea.
4.3. Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards	Extremely flammable aerosol - contents under pressure. Containers may explode when heated.
5.1. Extinguishing media	
Suitable extinguishing media	Carbon dioxide (CO ₂). Foam. Dry chemical. Water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus.
Special fire fighting procedures	Not available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Ensure adequate ventilation. Wear suitable protective clothing. See Section 8 for personal protective equipment.
For emergency responders	Keep unnecessary personnel away.
6.2. Environmental precautions	Prevent entry into waterways, sewer, basements or confined areas.
6.3. Methods and material for containment and cleaning up	Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small Liquid Spills: Absorb with sand or other non-combustible absorbent material. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.
6.4. Reference to other sections	For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Use only with adequate ventilation. Wash thoroughly after handling. Observe good industrial hygiene practices. Avoid inhalation of aerosols. Avoid contact with skin and eyes.
7.2. Conditions for safe storage, including any incompatibilities	Store locked up. Keep container tightly closed and in a well-ventilated place. Store in closed original container at room temperature. Store away from incompatible materials.
7.3. Specific end use(s)	Paint / Industrial coating.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1200 mg/m ³ 500 ppm
Butane (CAS 106-97-8)	TWA	2400 mg/m ³ 1000 ppm
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	140 mg/m ³

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Propane (CAS 74-98-6)	TWA	20 ppm
		1800 mg/m ³
Xylene (CAS 1330-20-7)	TWA	1000 ppm
		440 mg/m ³
		100 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Acetone (CAS 67-64-1)	AGW	1200 mg/m ³	
Butane (CAS 106-97-8)	AGW	500 ppm	
		2400 mg/m ³	
Chromium (CAS 7440-47-3)	AGW	1000 ppm	Inhalable fraction.
Propane (CAS 74-98-6)	AGW	2 mg/m ³	
		1800 mg/m ³	
Xylene (CAS 1330-20-7)	AGW	1000 ppm	
		200 mg/m ³	

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m ³
		500 ppm
Chromium (CAS 7440-47-3)	TWA	2 mg/m ³
Xylene (CAS 1330-20-7)	STEL	442 mg/m ³
		100 ppm
	TWA	221 mg/m ³
		50 ppm

Biological limit values

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*
Xylene (CAS 1330-20-7)	2 g/l	Methylhippur(Tc lur-)säure	Urine	*
	1,5 mg/l	Xylol	Blood	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
Acetone (CAS 67-64-1)	Workers	Inhalation	1210 mg/m ³	Acute Systemic effects
		Inhalation	1210 ng/m ³	Acute Local effects
Xylene (CAS 1330-20-7)	Workers	Dermal	180 mg/kg	Long term Systemic effects
		Inhalation	77 mg/m ³	Long term Systemic effects
		Inhalation	289 mg/m ³	Acute Local effects
		Inhalation	289 mg/m ³	Acute Systemic effects

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
Acetone (CAS 67-64-1)	Aqua (freshwater)	Water	30,2 mg/l	
	Aqua (marine water)	Water	30,2 mg/l	
Xylene (CAS 1330-20-7)	Aqua (freshwater)	Water	0,327 mg/l	
	Aqua (intermittent releases)	Water	0,327 mg/l	
	Aqua (marine water)	Water	0,327 mg/l	
	Sediment (freshwater)	Not applicable	12,46 mg/kg	

Components	Type	Route	Value	Form
	Sediment (marine water)	Not applicable	12,46 mg/kg	
	Sewage Treatment Plant	Not applicable	6,58 mg/l	
	Soil	Soil	2,31 mg/kg	

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Use approved safety goggles or face shield.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier.

- Other Wear appropriate chemical resistant clothing to prevent any possibility of skin contact. Nitrile chemical resistant gloves are recommended.

Respiratory protection In case of inadequate ventilation, use respiratory protection. Use respiratory equipment with combination filter, type A2/P2.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Environmental manager must be informed of all releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol- Pressurized Liquid.
Physical state	Liquid.
Form	Spray.
Colour	Silver.
Odour	Characteristic of solvents.
Odour threshold	No data available.
pH	Not established.
Melting point/freezing point	Not established.
Initial boiling point and boiling range	-18 - 177 °C (-0,4 - 350,6 °F)
Flash point	< 37,2 °C (< 99 °F)
Evaporation rate	Faster than ether (butyl acetate = 1)
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	2 %
Flammability limit - upper (%)	10 %
Vapour pressure	< 0,48 mPa (at 10 °C/ 70°F)
Vapour density	> 1 (Air = 1)
Relative density	0,849 (at 15°C/ 60°F)
Solubility(ies)	No data available.
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	Not established.
Viscosity	No data available.
Explosive properties	Not available.

Oxidizing properties	No data available.
9.2. Other information	
Bulk density	Not applicable.
Percent volatile	No data available.
Solubility (other)	Not established.
VOC (Weight %)	43,28 % Test Method: Product Formulation Data

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Heat, sparks, flames. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Metal oxides.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion	Ingestion may cause nausea, headache and dizziness.
Inhalation	May cause respiratory tract irritation. May cause drowsiness or dizziness.
Skin contact	Causes skin irritation. May cause sensitisation by skin contact.
Eye contact	Causes severe eye irritation.

Symptoms Causes skin and eye irritation. Sensitisation. Prolonged or repeated contact may dry skin and cause irritation. Upper respiratory tract irritation. Headaches, dizziness and nausea.

11.1. Information on toxicological effects

Acute toxicity Overexposure to mists/vapors of this product may cause headache, dizziness, nausea, and respiratory tract irritation. Causes skin and eye irritation.

Components	Species	Test results
Acetone (CAS 67-64-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	20000 mg/kg
<i>Inhalation</i>		
LC50	Rat	50 mg/l, 8 Hours
<i>Oral</i>		
LD50	Rat	5800 mg/kg
Butane (CAS 106-97-8)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	680 mg/l, 2 Hours
	Rat	658 mg/l, 4 Hours
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5,28 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Propane (CAS 74-98-6)		
Acute		
<i>Inhalation</i>		
LC50	Rat	> 1442,847 mg/l, 15 Minutes

Components	Species	Test results
Stoddard solvent (CAS 8052-41-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 5,2 mg/l, 4 hours
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Xylene (CAS 1330-20-7)		
Acute		
<i>Oral</i>		
LD50	Rat	4300 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/irritation	Causes serious eye irritation.	
Respiratory sensitisation	None known.	
Skin sensitisation	May cause an allergic skin reaction.	
Germ cell mutagenicity	There is no data to indicate that any component present at greater than 0.1% may present a risk.	
Carcinogenicity	Suspected of causing cancer.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Chromium (CAS 7440-47-3)	3 Not classifiable as to carcinogenicity to humans.	
Nickel (CAS 7440-02-0)	1 Carcinogenic to humans.	
Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)	3 Not classifiable as to carcinogenicity to humans.	
Stoddard solvent (CAS 8052-41-3)	3 Not classifiable as to carcinogenicity to humans.	
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	Not available.	
Specific target organ toxicity - single exposure	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.	
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure: Respiratory system. Lungs.	
Aspiration hazard	Not available.	
Mixture versus substance information	Not available.	
Other information	Not available.	

SECTION 12: Ecological information

12.1. Toxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Components	Species	Test results
Acetone (CAS 67-64-1)		
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) > 100 mg/l, 96 hours
Xylene (CAS 1330-20-7)		
Aquatic		
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss) 8 mg/l, 96 Hours
12.2. Persistence and degradability	No data available.	
12.3. Bioaccumulative potential	No data available.	
Partition coefficient n-octanol/water (log Kow)		
Acetone	-0,24	
Stoddard solvent	3,16 - 7,15	
Xylene	3,2	
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	Not available.	

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of waste and residues in accordance with local authority requirements.

Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.

EU waste code 16 05 04*

Disposal methods/information Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

SECTION 14: Transport information

ADR

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols

14.3. Transport hazard class(es) 2.1

Subsidiary class(es) -

14.4. Packing group -

14.5. Environmental hazards No

Tunnel restriction code D

Labels required 2.1

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number UN1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.1

Subsidiary class(es) -

14.4. Packing group -

14.5. Environmental hazards No

Labels required 2.1

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols

14.3. Transport hazard class(es) 2.1

Subsidiary class(es) -

14.4. Packing group -

14.5. Environmental hazards No

Labels required 2.1

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols

14.3. Transport hazard class(es) 2.1

Subsidiary class(es) -

14.4. Packing group -

14.5. Environmental hazards Not available.

Labels required 2.1

ERG Code 10L

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	2.1
Subsidiary class(es)	-
14.4. Packing group	-
14.5. Environmental hazards	
Marine pollutant	No
Labels required	2.1
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This substance/mixture is not intended to be transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Acetone (CAS 67-64-1)

Butane (CAS 106-97-8)

Nickel (CAS 7440-02-0)

Stoddard solvent (CAS 8052-41-3)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Butane (CAS 106-97-8)

Nickel (CAS 7440-02-0)

Stoddard solvent (CAS 8052-41-3)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Acetone (CAS 67-64-1)

Butane (CAS 106-97-8)
Distillates (petroleum), hydrotreated light (CAS 64742-47-8)
Nickel (CAS 7440-02-0)
Propane (CAS 74-98-6)
Solvent naphtha (petroleum), medium aliph. (CAS 64742-88-7)
Stoddard solvent (CAS 8052-41-3)
Xylene (CAS 1330-20-7)

Directive 94/33/EC on the protection of young people at work

Butane (CAS 106-97-8)
Nickel (CAS 7440-02-0)
Stoddard solvent (CAS 8052-41-3)

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations

Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

Water hazard class

VwVwS

WGK2

SECTION 16: Other information

List of abbreviations

DSD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.
DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.
TWA: Time weighted average.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

References

HSDB
RTECS
IUCLID

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R51 Toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52 Harmful to aquatic organisms.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
H220 - Extremely flammable gas.
H225 - Highly flammable liquid and vapour.
H226 - Flammable liquid and vapour.
H280 - Contains gas under pressure; may explode if heated.
H304 - May be fatal if swallowed and enters airways.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H331 - Toxic if inhaled.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.

H351 - Suspected of causing cancer.
H372 - Causes damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.
H412 - Harmful to aquatic life with long lasting effects.

Training information

Follow training instructions when handling this material.

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.