Safety Data Sheet

according to Regulation (EC) No 1907/2006

Adhesive spray for partial framework

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

1.1. Product identifier

Adhesive spray for partial framework

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

Use of the substance/mixture

Adhesive spray for partial framework

1.3. Details of the supplier of the safety data sheet

Company name:	DFS-DIAMON GmbH
Street:	Ländenstrasse 1
Place:	D-93339 Riedenburg
Telephone:	+49 (0) 9442 9189 0
Contact person:	Andreas Beck
e-mail:	andreas.beck@dfs-diamon.de
Internet:	http://www.dfs-diamon.de

1.4. Emergency telephone number: 24 hour Emergency Contacts: +49 (0) 700 24112112 (DFS) / +1 872 5888271

SECTION 2: Identification of hazards

2.1. Classification of the substance or mixture

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

Indications of danger: F+ - Extremely flammable, T - Toxic
R phrases:
May cause cancer.
May cause heritable genetic damage.
Extremely flammable.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:
Aerosol: Aerosol 1
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Germ cell mutagenicity: Muta. 1B
Carcinogenicity: Carc. 1B
Specific target organ toxicity - single exposure: STOT SE 3
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: may burst if heated.
Causes serious eye irritation.
Causes skin irritation.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

Solvent naphtha (petroleum), hydrotreated light naphthenic; low boiling point hydrogen treated naphtha
Naphtha (petroleum), hydrotreated light; low boiling point hydrogen treated naphtha
acetone; propan-2-one; propanone
ethyl acetate

Signal word: Danger

Pictograms: GHS02-GHS07-GHS08



Hazard statements

Extremely flammable aerosol.
Pressurised container: may burst if heated.
Causes serious eye irritation.
Causes skin irritation.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.
Harmful to aquatic life with long lasting effects.

Safety recommendations

Do not pierce or burn, even after use.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Call a POISON CENTER/doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents / container in accordance with local regulations

Special labelling of certain mixtures

Contains C,C'-azodi(formamide). May produce an allergic reaction.
Restricted to professional users.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-827-9	propane	25 - < 50 %
74-98-6	F+ - Extremely flammable R12	
601-003-00-5	Flam. Gas 1; H220	
01-2119486944-21		
203-448-7	butane	25 - < 50 %
106-97-8	F+ - Extremely flammable R12	
601-004-00-0	Flam. Gas 1; H220	
01-2119474691-32		
295-529-9	Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha	5 - < 10 %
92062-15-2	Carc. Cat. 2, Muta. Cat. 2, Xn - Harmful R45-46-65	
649-341-00-2	Carc. 1B, Muta. 1B, Asp. Tox. 1; H350 H340 H304	
265-151-9	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	5 - < 10 %
64742-49-0	F - Highly flammable, Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R11-38-51-53-65-67	
649-328-00-1	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411	
01-2119475514-35		
200-662-2	acetone; propan-2-one; propanone	2.5 - < 5 %
67-64-1	F - Highly flammable, Xi - Irritant R11-36-66-67	
606-001-00-8	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066	
01-2119471330-49		
205-500-4	ethyl acetate	2.5 - < 5 %
141-78-6	F - Highly flammable, Xi - Irritant R11-36-66-67	
607-022-00-5	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066	
01-2119475103-46		
201-159-0	butanone; ethyl methyl ketone	1 - < 2.5 %
78-93-3	F - Highly flammable, Xi - Irritant R11-36-66-67	
606-002-00-3	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066	
01-2119457290-43		
204-650-8	C,C'-azodi(formamide)	0.1 - < 1 %
123-77-3	E - Explosive R2-42	
611-028-00-3	Resp. Sens. 1; H334	
01-2119493056-35		

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash before reuse. Medical treatment necessary.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for sufficient time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Medical treatment necessary.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing devices

Suitable extinguishing devices

Carbon dioxide (CO2), foam, extinguishing powder.

Unsuitable extinguishing media

Water.

5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol (H222), vapors can form explosive mixtures with air.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow water to enter drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not pierce or burn, even after use. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F. Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge. Vapors can form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on storage compatibility

Do not store together with: oxidizing agent, pyrophoric or self-heating substances.

7.3. Specific end use(s)

Adhesive spray for partial framework

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
123-77-3	Azodicarbonamide	-	1.0		TWA (8 h)	WEL
		-	3.0		STEL (15 min)	WEL
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
67-64-1	acetone; propan-2-one; propanone			
Worker DNEL, long-term		inhalation	systemic	1210 mg/m³
Worker DNEL, acute		inhalation	local	2420 mg/m³
Worker DNEL, long-term		dermal	systemic	186 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	200 mg/m³
Consumer DNEL, long-term		dermal	systemic	62 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	62 mg/kg bw/day
78-93-3	butanone; ethyl methyl ketone			
Worker DNEL, long-term		inhalation	systemic	600 mg/m³
Worker DNEL, long-term		dermal	systemic	1161 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	106 mg/m³
Consumer DNEL, long-term		dermal	systemic	412 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	31 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
67-64-1	acetone; propan-2-one; propanone	
Freshwater		10,6 mg/l
Marine water		1,06 mg/l
Micro organisms in sewage treatment plants (STP)		100 mg/l
Freshwater sediment		30,4 mg/kg
Marine sediment		3,04 mg/kg
Soil		29,5 mg/kg
78-93-3	butanone; ethyl methyl ketone	
Freshwater		55,8 mg/l
Marine water		55,8 mg/l
Micro organisms in sewage treatment plants (STP)		709 mg/l
Freshwater sediment		284,74 mg/kg
Marine sediment		284,7 mg/kg
Soil		22,5 mg/kg
Secondary poisoning		1000 mg/kg

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, equipment with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapor/spray.

Remove contaminated, soaked clothing immediately. Set up and observe skin protection program. Wash hands and face before breaks and after work and take a shower if necessary. Do not consume food or drinks while using the product.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals should be chosen depending on the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above with the supplier of these gloves.

Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Color:	cloudy
Odor:	fruity

	Test method
pH-Value:	not determined
Changes in the physical state	
Melting point:	not determined
Initial boiling point and boiling range:	-42 °C
Flash point:	-104 °C
Flammability	
Solid:	not applicable
Gas:	not applicable
Lower explosion limits:	1,4 vol. %
Upper explosion limits:	9,4 vol. %
Ignition temperature:	365 °C
Auto-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined

Oxidizing properties

Not oxidizing.

Vapor pressure: (at 20 °C)	8327 hPa
Vapor pressure: (at 50 °C)	17081 hPa
Density:	not determined
Water solubility:	insoluble

Solubility in other solvents

not determined

Partition coefficient:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent content:	44,00 %

9.2. Other information

Solid content:	20,00 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol (H222), Ignition hazard.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapors can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha				
	oral	LD50	> 5000 mg/kg	Rat	OECD 401
	dermal	LD50	> 2000 mg/kg	Rabbit	OECD 402
	inhalative (4 h) vapour	LC50	> 20 mg/l	Rat	
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50	5800 mg/kg	Rat	ECHA
	dermal	LD50	> 7426 mg/kg	Rabbit	ECHA
	inhalative (4 h) vapour	LC50	76 mg/l	Rat	ECHA
141-78-6	ethyl acetate				
	oral	LD50	10200 mg/kg	Rat	IUCLID
	dermal	LD50	> 20000 mg/kg	Rabbit	IUCLID
78-93-3	butanone; ethyl methyl ketone				
	oral	LD50	2193 mg/kg	Rat	OECD 423
	dermal	LD50	6480 mg/kg	Rabbit	GESTIS

Irritation and corrosivity

Causes serious eye irritation.
Causes skin irritation.

Sensitising effects

Based on available data, the classification criteria are not met.
Contains: C,C'-Azodi(formaid). May produce an allergic reaction.

STOT-single exposure

May cause drowsiness or dizziness. (Naphtha (petroleum), hydrotreated light; low boiling point hydrogen treated naphtha), (acetone; propan-2-one; propanone), (ethyl acetate), (butanone; ethyl methyl ketone)

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

May cause genetic defects. (Solvent naphtha (petroleum), hydrotreated light naphthenic; low boiling point hydrogen treated naphtha)
May cause cancer. (Solvent naphtha (petroleum), hydrotreated light naphthenic; low boiling point hydrogen treated naphtha)

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

SECTION 12: Ecological information

12.1. Toxicity

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

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] | [d]	Species	Source
106-97-8	butane					
	Acute fish toxicity	LC50	27,98 mg/l	96 h		US-EPA -(Q)SAR
	Acute algae toxicity	ErC50	7,71 mg/l			US-EPA -(Q)SAR
	Acute crustacea toxicity	EC50	14,22 mg/l	48 h		US-EPA -(Q)SAR
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha					
	Acute fish toxicity	LC50	11,4 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	30-100 mg/l	72 h	Pseudokirchnerella subcapitata	
	Acute crustacea toxicity	EC50	3 mg/l	48 h	Daphnia magna (Big water flea)	
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50	6210 mg/l	96 h	Pimephales promelas (fathead minnow)	OECD 203
	Acute crustacea toxicity	EC50	8800 mg/l	48 h	Daphnia pulex (water flea)	ECHA
	Crustacea toxicity	NOEC	> 1106 mg/l	28 d	Daphnia magna (Big water flea)	IUCLID
	Acute bacteria toxicity	(61150 mg/l)		0,5 h	Activated sludge	OECD 209
141-78-6	ethyl acetate					
	Acute fish toxicity	LC50	220 mg/l	96 h	Pimephales promelas (fathead minnow)	IUCLID
	Acute crustacea toxicity	EC50	717 mg/l	48 h	Daphnia magna (Big water flea)	IUCLID
	Fish toxicity	NOEC	9.65 mg/l	4 d	Pimephales promelas (fathead minnow)	
	Algea toxicity	NOEC	> 100 mg/l	3 d	Scenedesmus subspicatus	OECD 201
	Crustacea toxicity	NOEC	2.4 mg/l	21 d	Daphnia magna (Big water flea)	
78-93-3	butanone; ethyl methyl ketone					
	Acute fish toxicity	LC50	2993 mg/l	96 h	Pimephales promelas (fathead minnow)	OECD 203
	Acute algae toxicity	ErC50	2029 mg/l	96 h	Selenastrum capricornutum	OECD 201
	Acute crustacea toxicity	EC50	308 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Fish toxicity	NOEC	1170 mg/l	4 d	Pimephales promelas (fathead minnow)	OECD 203
	Algea toxicity	NOEC	1240 mg/l	4 d	Selenastrum capricornutum	OECD 201
	Crustacea toxicity	NOEC	68 mg/l	2 d	Daphnia magna (Big water flea)	OECD 202

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-49-0	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	77,05 %	28	IUCLID
	Readily biodegradable (according to OECD criteria).			
67-64-1	acetone; propan-2-one; propanone			
	Carbon dioxide-Concentration	90,9 %	28	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C
	Readily biodegradable (according to OECD criteria).			
141-78-6	ethyl acetate			
	OECD 301 C	43%	5	
	Readily biodegradable (according to OECD criteria).			
	OECD 301 B	93,9%	28	
	Readily biodegradable (according to OECD criteria).			
	Water-sediment test	99,9%	6	
	Readily biodegradable (according to OECD criteria).			
78-93-3	butanone; ethyl methyl ketone			
	OECD 301D/ EEC 92/69/V, C.4-E	98 %	28	IUCLID
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
74-98-6	propane	2,36
106-97-8	butane	2,89
67-64-1	acetone; propan-2-one; propanone	-0,24
141-78-6	ethyl acetate	0,73
78-93-3	butanone; ethyl methyl ketone	0,3
123-77-3	C,C'-azodi(formamide)	< 1,0

BCF

CAS No	Chemical name	BCF	Species	Source
67-64-1	acetone; propan-2-one; propanone	3		ECHA
141-78-6	ethyl acetate	30	Leuciscus idus (golden orfe)	

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of

waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances Classified as hazardous waste.

Waste disposal number of contaminated packaging

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances Classified as hazardous waste.

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS (propane / butane)
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1



Classification code:	5F
Special provisions:	190 327 344 625
Limited quantity:	1 L
Transport category:	2
Tunnel restriction code:	D

Other applicable information (land transport)

Excepted quantity: E0

Inland waterways transport (ADN)

14.1. UN number:	UN 1950
14.2. UN proper shipping name:	AEROSOLS (propane / butane)
14.3. Transport hazard class(es):	2
14.4. Packing group:	-
Hazard label:	2.1



Classification code:	5F
Special provisions:	190 327 344 625
Limited quantity:	1 L

Other applicable information (inland waterways transport)

Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number:	UN 1950

14.2. UN proper shipping name: AEROSOLS (propane / butane)

14.3. Transport hazard class(es): 2.1

14.4. Packing group: -

Hazard label: 2.1



Special provisions: 63, 190, 277, 327, 344, 959
Limited quantity: 1000 mL
EmS: F-D, S-U

Other applicable information (marine transport)

Excepted quantity: E0

Air transport (ICAO)

14.1. UN number: UN 1950

14.2. UN proper shipping name: AEROSOLS (propane / butane)

14.3. Transport hazard class(es): 2.1

14.4. Packing group: -

Hazard label: 2.1



Special provisions: A145 A167 A802
Limited quantity passenger: 30 kg G

IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)

Excepted quantity: E0
Passenger-LQ: Y203

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): < 70 %

2004/42/EC (VOC): < 70 %

Additional information

To follow: 2008/47/EC

National regulatory information

Employment restrictions:	Observe employment restrictions for adolescents. Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D):	3 - highly water contaminating
Skin resorption/Sensitization:	Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
butane
propane
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha
acetone; propan-2-one; propanone
ethyl acetate
butanone; ethyl methyl ketone
C,C'-azodi(formamide)

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s):
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant R-phrases (Number and full text)

Risk of explosion by shock, friction, fire or other sources of ignition.
Highly flammable.
Extremely flammable.
Irritating to eyes.
Irritating to skin.
May cause sensitisation by inhalation.
May cause cancer.
May cause heritable genetic damage.
Toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.
Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

Relevant H- and EUH-phrases (Number and full text)

Extremely flammable gas.
Extremely flammable aerosol.
Highly flammable liquid and vapor.
Pressurised container: May burst if heated.
May be fatal if swallowed and enters respiratory tracts.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause drowsiness or dizziness.

May cause genetic defects.
May cause cancer.
Toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
Repeated exposure may cause skin dryness or cracking.
Contains C,C'-azodi(formamide). May produce an allergic reaction.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new material. Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]: Bridging principle "Aerosols".

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)