



SAFETY DATA SHEET DOWSIL 680 ID FLUID

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

1.1. Product identifier

Product name	DOWSIL 680 ID FLUID
Product number	12076
Synonyms; trade names	DOW CORNING 680 ID FLUID

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

Identified uses	Chemical Intermediate Cosmetics For research purposes only.
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1.3. Details of the supplier of the safety data sheet

Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com
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1.4. Emergency telephone number

Emergency telephone	SGS - +32 (0)3 575 55 55 (24h)
Sds No.	12076

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Not Classified
Environmental hazards	Aquatic Chronic 4 - H413

2.2. Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	H226 Flammable liquid and vapour. H413 May cause long lasting harmful effects to aquatic life.

DOWSIL 680 ID FLUID

Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 Avoid release to the environment. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with national regulations.
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2.3. Other hazards

Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. This product does not contain any substances classified as PBT or vPvB. (@ > 0.1%)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED		>= 20 - <= 30%
CAS number: 93685-81-5	EC number: 297-629-8	
Classification Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413		

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	First aid personnel should wear appropriate protective equipment during any rescue. Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Eye contact May cause temporary eye irritation.

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

Notes for the doctor No specific recommendations. Treat symptomatically.

DOWSIL 680 ID FLUID

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Alcohol-resistant foam. Dry chemicals, sand, dolomite etc.

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

Specific hazards Flammable liquid and vapour. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Harmful to aquatic life with long lasting effects.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO₂). Carbon monoxide (CO). Formaldehyde Oxides of: Silicon.

5.3. Advice for firefighters

Protective actions during firefighting No action shall be taken without appropriate training or involving any personal risk. Control run-off water by containing and keeping it out of sewers and watercourses. Contain and collect extinguishing water. Evacuate area. Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions No action shall be taken without appropriate training or involving any personal risk. Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary and unprotected personnel away from the spillage. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Do not touch or walk into spilled material. No smoking, sparks, flames or other sources of ignition near spillage. Use only non-sparking tools. Use explosion-proof electrical equipment. Take precautionary measures against static discharge.

6.2. Environmental precautions

Environmental precautions Harmful to aquatic life with long lasting effects. Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. Use water spray to reduce vapours. Harmful to aquatic life with long lasting effects. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Use only non-sparking tools. Use explosion-proof electrical equipment. Take precautionary measures against static discharge.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

DOWSIL 680 ID FLUID

Usage precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Handle all packages and containers carefully to minimise spills. Flammable liquid and vapour. Vapours may form explosive mixtures with air. Keep container tightly closed. Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid inhalation of vapours and contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use only non-sparking tools. Use explosion-proof electrical equipment. Earth container and transfer equipment to eliminate sparks from static electricity.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Provide eyewash station and safety shower.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Only store in correctly labelled containers. Vapours may form explosive mixtures with air. Avoid heat, flames and other sources of ignition. Earth container and transfer equipment to eliminate sparks from static electricity. Storage tanks and other containers must be earthed. Store away from the following materials: Strong oxidising agents. Organic peroxides/hydroperoxides. Pyrophoric substance Class 4.3: Substances, which in contact with water, emit flammable gases. Class 2.1: Flammable gases. Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives. Class 2: Gases

Storage class

Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments

No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Use explosion-proof general and local exhaust ventilation. Avoid inhalation of vapours and contact with skin and eyes. Provide eyewash station and safety shower.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

DOWSIL 680 ID FLUID

Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Polyethylene. Neoprene. Nitrile rubber. Polyvinyl alcohol (PVA). Polyvinyl chloride (PVC). Viton rubber (fluoro rubber). Thickness: > 0.35 mm The selected gloves should have a breakthrough time of at least 8 hours.
Other skin and body protection	Wear fire/flame resistant/retardant clothing. Wear appropriate clothing to prevent repeated or prolonged skin contact. For the greatest protection, clothing should include anti-static overalls, boots and gloves.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Wash contaminated clothing before reuse.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. If ventilation is inadequate, suitable respiratory protection must be worn. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Solvent.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	> 200°C
Flash point	52°C Closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.0
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.

DOWSIL 680 ID FLUID

Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	650 mPa s @ 20°C
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Oxidising materials.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Flammable liquid and vapour. Vapours may form explosive mixtures with air. When heated, vapours/gases hazardous to health may be formed. Formaldehyde
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Static electricity and formation of sparks must be prevented.
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10.5. Incompatible materials

Materials to avoid	Avoid contact with the following materials: Strong oxidising agents. Organic peroxides/hydroperoxides. Pyrophoric substance Class 4.3: Substances, which in contact with water, emit flammable gases. Class 2.1: Flammable gases. Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives. Class 2: Gases
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Formaldehyde Oxides of: Silicon.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀)	LD ₅₀ > 5000 mg/kg, Oral, Rat Estimated value.
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Acute toxicity - dermal

Notes (dermal LD₅₀)	LD ₅₀ > 2000 mg/kg, Dermal, Rabbit Estimated value.
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Acute toxicity - inhalation

Notes (inhalation LC₅₀)	No specific test data are available.
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Skin corrosion/irritation

Skin corrosion/irritation	May be slightly irritating to skin. Prolonged contact may cause dryness of the skin.
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Serious eye damage/irritation

Serious eye damage/irritation	May cause temporary eye irritation.
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Respiratory sensitisation

DOWSIL 680 ID FLUID

Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No information available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	This product has low toxicity. No harmful effects expected from quantities likely to be ingested by accident. May cause discomfort if swallowed.
Skin contact	May be slightly irritating to skin. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.
<u>Toxicological information on ingredients.</u>	

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rat LD₅₀ > 3160 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ > 5.6 mg/l, 4 hours, Dust/Mist Rat LC₅₀ >= 6.1 mg/l, 4 hours, Vapour Rat

Skin corrosion/irritation

Skin corrosion/irritation May be slightly irritating to skin. Prolonged contact may cause dryness of the skin.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation No information available.

DOWSIL 680 ID FLUID

Skin sensitisation

Skin sensitisation Not sensitising. Guinea pig

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Genotoxicity - in vivo This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion May be fatal if swallowed and enters airways.

Skin contact May be slightly irritating to skin. Prolonged contact may cause dryness of the skin.

Eye contact May cause temporary eye irritation.

SECTION 12: Ecological information

Ecotoxicity May cause long lasting harmful effects to aquatic life. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Ecological information on ingredients.

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Ecotoxicity May cause long lasting harmful effects to aquatic life.

12.1. Toxicity

Toxicity There are no data on the ecotoxicity of this product.

Ecological information on ingredients.

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Toxicity May cause long lasting harmful effects to aquatic life.

Acute aquatic toxicity

DOWSIL 680 ID FLUID

Acute toxicity - fish	LL ₅₀ , 96 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout) OECD 203 LC ₅₀ , 96 hours: > 2.8 mg/l, Brachydanio rerio (Zebra Fish) OECD 203 LC ₅₀ , 96 hours: > 1.2 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: > 1.7 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: > 1.3 mg/l, Daphnia magna LL ₅₀ , 48 hours: > 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	ErC50, 72 hours: > 1000 mg/l, Desmodesmus subspicatus OECD 201 NOEC, 72 hours: 0.0225 mg/l, Desmodesmus subspicatus OECD 201
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 1 mg/l, Daphnia magna EC ₅₀ , 21 days: > 1 mg/l, Daphnia magna NOEC, 21 days: 0.025 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Persistence and degradability	This information is based on test data from similar products The product is not readily biodegradable.
Biodegradation	- Degradation 31%: 28 days OECD 301F

12.3. Bioaccumulative potential

Bioaccumulative potential The product contains potentially bioaccumulating substances.

Partition coefficient No information available.

Ecological information on ingredients.

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Bioaccumulative potential	BCF: > 3000,
Partition coefficient	log Pow: 6.96 Estimated value.

12.4. Mobility in soil

Mobility Not determined.

Ecological information on ingredients.

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Mobility	No information available.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB. (@ > 0.1%)

Ecological information on ingredients.

DOWSIL 680 ID FLUID

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not known.

Ecological information on ingredients.

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste is classified as hazardous waste. Empty containers or liners may retain some product residues and hence be potentially hazardous. Flammable liquid and vapour. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Do not puncture or incinerate, even when empty. Harmful to aquatic life with long lasting effects. Do not discharge into drains or watercourses or onto the ground.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993
UN No. (ADN)	1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	FLAMMABLE LIQUID, N.O.S. (CONTAINS HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED)
Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S. (CONTAINS HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED)
Proper shipping name (ICAO)	FLAMMABLE LIQUID, N.O.S. (CONTAINS HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED)
Proper shipping name (ADN)	FLAMMABLE LIQUID, N.O.S. (CONTAINS HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3

DOWSIL 680 ID FLUID

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.
This product may impact SEVESO storage regulations.

Restrictions (Annex XVII Regulation 1907/2006) This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES. Entry number: 3

DOWSIL 680 ID FLUID

Seveso Directive - Control of major accident hazards P5c

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
 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.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.
 Kow: Octanol-water partition coefficient.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PBT: Persistent, Bioaccumulative and Toxic substance.
 PNEC: Predicted No Effect Concentration.
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 vPvB: Very Persistent and Very Bioaccumulative.
 IARC: International Agency for Research on Cancer.
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
 cATpE: Converted Acute Toxicity Point Estimate.
 BCF: Bioconcentration Factor.
 BOD: Biochemical Oxygen Demand.
 EC₅₀: 50% of maximal Effective Concentration.
 LOAEC: Lowest Observed Adverse Effect Concentration.
 LOAEL: Lowest Observed Adverse Effect Level.
 NOAEC: No Observed Adverse Effect Concentration.
 NOAEL: No Observed Adverse Effect Level.
 NOEC: No Observed Effect Concentration.
 LOEC: Lowest Observed Effect Concentration.
 DMEL: Derived Minimal Effect Level.
 EL50: Exposure Limit 50
 hPa: Hectopascal
 LL50: Lethal Loading fifty
 OECD: Organisation for Economic Co-operation and Development
 POW: Octanol-water partition coefficient
 SCBA: self-contained breathing apparatus
 STP: Sewage Treatment Plant
 VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
 Aquatic Acute = Hazardous to the aquatic environment (acute)
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

DOWSIL 680 ID FLUID

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	27/08/2020
Version number	3.000
Supersedes date	06/03/2018
SDS number	12076
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H413 May cause long lasting harmful effects to aquatic life.
Signature	J Spenceley