SAFETY DATA SHEET

ITW MARKING & CODING

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

1.1. Product identifier

Trade name or designation of the mixture	5780266, 5780267, 5780266FX, 5780267FX
Registration number	-
Synonyms	None.
Product number	5780670
Issue date	06-March-2020
Version number	01
Revision date	-
Supersedes date	-

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

Identified uses	Printing Inks.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name	ITW Marking & Coding
Address	1 Research Park Drive St. Charles, MO 63304-5685 USA
Telephone number	+1-800-722-1125 / 636-300-2000
Contact person	Customer Service

1.4. Emergency telephone number Infotrac 800-535-5053 (US only), +1-352-323-3500 International

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 Regulation (EC) No 1272/2008 as amended

Physical hazards		
Flammable liquids	Category 2	H225 - Highly flammable liquid and vapour.
Health hazards		
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Environmental hazards		
Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.

Hazard summary May be ignited by heat, sparks or flames. Causes serious eye damage. May cause drowsiness and dizziness. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

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

Contains: 1-Propanol, Acetone

Hazard pictograms

Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

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 CENTRE/doctor.

Storage

P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal

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

Supplemental label information None.

2.3. Other hazards This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Ethanol	< 70	64-17-5 200-578-6	01-2119457610-43-XXXX	603-002-00-5	
Classification:	Flam. Liq. 2;H225, Eye Irrit. 2;H319				
1-Propanol	< 20	71-23-8 200-746-9	-	603-003-00-0	
Classification:	Flam. Liq. 2;H225, Eye Dam. 1;H318, STOT SE 3;H336				
Dyestuff	< 9	Proprietary -	-	-	
Classification:	Aquatic Chronic 2;H411				
Acetone	< 3	67-64-1 200-662-2	01-2119471330-49-XXXX	606-001-00-8	#
Classification:	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336				
Diacetone alcohol	< 2	123-42-2 204-626-7	01-2119473975-21-XXXX	603-016-00-1	
Classification:	Flam. Liq. 1;H224, Eye Irrit. 2;H319				

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

Skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

4.2. Most important symptoms and effects, both acute and delayed Aspiration may cause pulmonary oedema and pneumonitis. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing.

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

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards

Highly flammable liquid and vapour.

5.1. Extinguishing media

Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO_2).

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

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Use water spray to reduce vapours or divert vapour cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. Avoid breathing mist/vapours. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see section 10 of the SDS).

7.3. Specific end use(s)

Printing ink.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
1-Propanol (CAS 71-23-8)	STEL	625 mg/m3
		250 ppm
	TWA	500 mg/m3
		200 ppm
Acetone (CAS 67-64-1)	STEL	3620 mg/m3
		1500 ppm
	TWA	1210 mg/m3
		500 ppm
Diacetone alcohol (CAS 123-42-2)	STEL	362 mg/m3
		75 ppm
	TWA	241 mg/m3
		50 ppm
Ethanol (CAS 64-17-5)	TWA	1920 mg/m3
		1000 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General Population

Components	Value	Assessment factor	Notes
Acetone (CAS 67-64-1)			
Long-term, Systemic, Dermal	62 mg/kg bw/day	20	
Long-term, Systemic, Inhalation	200 mg/m3	5	
Long-term, Systemic, Oral	62 mg/kg bw/day	2	
Diacetone alcohol (CAS 123-42-2)			
Long-term, Systemic, Dermal	167 mg/kg bw/day	60	developmental toxicity / teratogenicity
Long-term, Systemic, Inhalation	5.8 mg/m3	25	developmental toxicity / teratogenicity
Long-term, Systemic, Oral	1.67 mg/kg bw/day	60	developmental toxicity / teratogenicity
Ethanol (CAS 64-17-5)			
Long-term, Systemic, Dermal	206 mg/kg bw/day	40	Repeated dose toxicity
Long-term, Systemic, Inhalation	114 mg/m3		Carcinogenicity
Long-term, Systemic, Oral	87 mg/kg bw/day	20	Repeated dose toxicity

Workers

Components	Value	Assessment factor	Notes
Acetone (CAS 67-64-1)			
Long-term, Systemic, Dermal	186 mg/kg bw/day		
Long-term, Systemic, Inhalation	1210 mg/m3		
Short-term, Local, Inhalation	2420 mg/m3		
Diacetone alcohol (CAS 123-42-2)			
Long-term, Local, Inhalation	240 mg/m3	2	irritation (respiratory tract)
Long-term, Systemic, Dermal	467 mg/kg bw/day	30	developmental toxicity / teratogenicity
Long-term, Systemic, Inhalation	32.6 mg/m3	12.5	developmental toxicity / teratogenicity
Ethanol (CAS 64-17-5)			
Long-term, Systemic, Dermal	343 mg/kg bw/day	24	Repeated dose toxicity
Long-term, Systemic, Inhalation	950 mg/m3		Carcinogenicity

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
Acetone (CAS 67-64-1)			
Freshwater	10.6 mg/l	50	
Marine water	1.06 mg/l	500	
Sediment (freshwater)	30.4 mg/kg		
Sediment (marine water)	3.04 mg/kg		
Soil	29.5 mg/kg		
STP	100 mg/l	10	
Diacetone alcohol (CAS 123-42-2)			
Freshwater	2 mg/l	50	
Marine water	0.2 mg/l	500	
Sediment (freshwater)	7.4 mg/kg		
Sediment (marine water)	0.74 mg/kg		
Soil	0.31 mg/kg		
STP	10 mg/l	100	
Ethanol (CAS 64-17-5)			
Freshwater	0.96 mg/l	10	
Intermittent releases	2.75 mg/l	100	
Marine water	0.79 mg/l	100	
Secondary poisoning	0.38 g/kg	90	Oral
Sediment (freshwater)	3.6 mg/kg		
Sediment (marine water)	2.9 mg/kg		
Soil	0.63 mg/kg	1000	
STP	580 mg/l	10	

Exposure guidelines

UK EH40 WEL: Skin designation

1-Propanol (CAS 71-23-8) Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

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

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield. Eye protection should meet standard EN 166.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Breakthrough time: > 480 minutes. Layer thickness: 0.7 mm. Wear suitable gloves tested to EN374.

- Other Wear suitable protective clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use combination filter type A2 / P2 according to EN 14387.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using do not smoke. 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 Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Colour	Black.
Odour	Alcohol.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	75 °C (167 °F)
Flash point	13.0 °C (55.4 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.84
Relative density temperature	25 °C (77 °F)
Solubility(ies)	Insoluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	1.85 - 2.25 mPa·s
Viscosity temperature	25 °C (77 °F)
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2. Other information	
Solubility (other)	Soluble in solvent.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and 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	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Thermal decomposition of this product can generate carbon monoxide, carbon dioxide and nitrogen oxides.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	May cause drowsiness and dizziness. Prolonged inhalation may be harmful.
Skin contact	May cause skin irritation.
Eye contact	Causes serious eye damage.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms	Aspiration may cause pulmonary oedema and pneumonitis. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing.

11.1. Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.

Components	Species	Test Results
1-Propanol (CAS 71-23-8)		
Acute		
Dermal		
LD50	Rabbit	4052 mg/kg
Inhalation		
Vapour		
LD50	Rat	42 mg/l, 4 hours
Oral		
LD50	Rat	> 2000 mg/kg
Acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	7400 mg/kg
Inhalation		
LC50	Rat	76000 mg/m³, 4 hours
Oral		
LD50	Rat	5800 mg/kg
Diacetone alcohol (CAS 123-42-2)		
Acute		
Dermal		
LD0	Rat	> 1575 mg/kg
Inhalation		
LC0	Rat	> 7.6 mg/l, 4 hours
Oral		
LD50	Rat	3002 mg/kg
Ethanol (CAS 64-17-5)		
Acute		
Dermal		
LD50	Rabbit	17100 mg/kg
Inhalation		
Vapour		
LC50	Rat	124.7 mg/l, 4 Hours
Oral		
LD50	Rat	10470 mg/kg

Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.
Skin sensitisation	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Swallowing or vomiting of the liquid may result in aspiration into the lungs.
Mixture versus substance information	No information available.
Other information	Ethanol is metabolized to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis and CNS depression. Pre-existing skin conditions including dermatitis might be aggravated by exposure to this product.

SECTION 12: Ecological information

12.1. Toxicity	Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
1-Propanol (CAS 71-23-8)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	3644 mg/l, 48 hours
Fish	LC50	Pimephales promelas	4480 mg/l, 96 hours
Acetone (CAS 67-64-1)			
Aquatic			
Acute			
Algae	LOEC	Microcystis aeruginosa	530 mg/l, 8 days
Crustacea	LC50	Daphnia pulex	8800 mg/l, 48 hours
Fish	LC50	Oncorhynchus mykiss	5540 mg/l, 96 hours
Chronic			
Crustacea	NOEC	Daphnia magna	2212 mg/l, 28 days
Diacetone alcohol (CAS 123-42-2)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	> 1000 mg/l, 48 hours
	NOEC	Daphnia magna	1000 mg/l, 48 hours
Fish	LC50	Oryzias latipes	> 100 mg/l, 96 hours
Chronic			
Crustacea	NOEC	Daphnia magna	100 mg/l, 21 days
Dyestuff (CAS Proprietary)			
Aquatic			
Acute			
Fish	LC50	Fish	2 mg/l
Ethanol (CAS 64-17-5)			
Aquatic			
Crustacea	LC50	Water flea (Daphnia magna)	> 100 mg/l, 96 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	11200 mg/l, 24 hours

12.2. Persistence and degradability No data available for this product.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

1-Propanol (CAS 71-23-8)	0.25
Acetone (CAS 67-64-1)	-0.24
Diacetone alcohol (CAS 123-42-2)	-0.098
Ethanol (CAS 64-17-5)	-0.31

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code 08 01 11*
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN1210
14.2. UN proper shipping name	Printing ink
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	33
Tunnel restriction code	D/E
14.4. Packing group	II
14.5. Environmental hazards	No
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1210
14.2. UN proper shipping name	Printing ink
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	No
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN1210
14.2. UN proper shipping name	Printing ink
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	No
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1210
14.2. UN proper shipping name	Printing ink
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	No
ERG Code	3L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

14.1. UN number	UN1210
14.2. UN proper shipping name	PRINTING INK
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3

14.4. Packing group	II
14.5. Environmental hazards	
Marine pollutant	No
EmS	F-E, S-D
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	Not established.

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 and II, as amended

Not listed.

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

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 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, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

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

1-Propanol (CAS 71-23-8)
Acetone (CAS 67-64-1)

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

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

1-Propanol (CAS 71-23-8)
Acetone (CAS 67-64-1)
Ethanol (CAS 64-17-5)

Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.
National regulations	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, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

	IATA: International Air Transport Association. IMDG Code: International Maritime Dangerous Goods Code. MARPOL: International Convention for the Prevention of Pollution from Ships. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
References	In-house data
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 H-statements not written out in full under Sections 2 to 15	H224 Extremely flammable liquid and vapour. H225 Highly flammable liquid and vapour. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Training information	Follow training instructions when handling this material.
Further information	None known.
Disclaimer	ITW Marking and Coding cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.