



SAFETY DATA SHEET

Issuing Date 09-Apr-2014

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Revision Number 3

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Dykem Transparent Stain Aerosol - Steel Blue and Steel Red

Part Number Dk Blue - Steel Blue (80000), Red - Steel Red (80096)

Formula Code Dk Blue - Steel Blue (8703A), Red - Steel Red (8704A)

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

Recommended Use Staining Colors

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer
(5511) 4785.2600

Supplier
ITW PRO BRANDS
805 E. Old 56 Highway
Olathe, KS 66061
TEL: 1-800-443-9536

For further information, please contact

E-mail Address cservice@itwprobrands.com

1.4. Emergency telephone number

Emergency Telephone Number 800-535-5053 Infotrac

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Serious Eye Damage/Eye Irritation	Category 1
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3

Physical Hazards

Flammable aerosols	Category 1
Gases under pressure	Compressed gas

2.2. Label Elements



Signal Word

Danger

Hazard Statements

- H316 - Causes mild skin irritation
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H222 - Extremely flammable aerosol
- H280 - Contains gas under pressure; may explode if heated
- EUH066 - Repeated exposure may cause skin dryness or cracking
- EUH210 - Safety data sheet available on request

Precautionary Statements

- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor/ physician
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P211 - Do not spray on an open flame or other ignition source
- P251 - Pressurized container: Do not pierce or burn, even after use
- P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F
- P336 - Thaw frosted parts with lukewarm water. Do no rub affected area

2.3. Other information

Section 3. Composition/information on ingredients

3.1. Not applicable

Not applicable

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Ethanol	200-578-6	64-17-5	15-40	Flam. Liq. 2 (H225)	No data available
n-Butyl acetate	Present	123-86-4	10-30	(EUH066) Flam. Liq. 3 (H226) STOT SE 3 (H336)	No data available
Butane (with >0.1% 1,3 butadiene)	Present	106-97-8	7-13	Muta. 1B (H340) Press. Gas Carc. 1A (H350) Flam. Gas 1 (H220)	No data available

n-Butyl alcohol	Present	71-36-3	5-10	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) STOT SE 3 (H335) STOT SE 3 (H336) Eye Dam. 1 (H318)	No data available
Diacetone alcohol	Present	123-42-2	1-5	Eye Irrit. 2 (H319)	No data available
Isopropyl alcohol	Present	67-63-0	1-5	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	No data available
n-Propyl acetate	203-686-1	109-60-4	1-5	(EUH066) Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	No data available
Malachite green oxalate	Present	2437-29-8	0.1-1	Acute Tox. 4 (H302) Repr. 2 (H361d) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Protection of First-aiders	Remove all sources of ignition. Use personal protective equipment.

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

Most Important Symptoms/Effects No information available.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Water fog. Dry chemical. Foam. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Ruptured cylinders may rocket.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary. Cool closed containers exposed to fire with water spray.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Contents under pressure.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Ground and bond containers when transferring material. Small spillage: Take up with sand, earth or other noncombustible absorbent material. Large spillage: Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Contents under pressure. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Ethanol 64-17-5	-	STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	VME: 1000 ppm VME: 1900 mg/m ³ VLCT: 5000 ppm VLCT: 9500 mg/m ³	VLA-ED: 1000 ppm VLA-ED: 1910 mg/m ³	MAK: 500 ppm MAK: 960 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m ³ TWA: 500 ppm TWA: 960 mg/m ³
n-Butyl acetate 123-86-4		TWA: 150 ppm TWA: 724 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 940 mg/m ³	STEL: 200 ppm STEL: 965 mg/m ³ TWA: 150 ppm TWA: 724 mg/m ³	TWA: 100 ppm TWA: 480 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 960 mg/m ³ TWA: 62 ppm TWA: 300 mg/m ³
Butane (with >0.1% 1,3 butadiene) 106-97-8		STEL: 750 ppm STEL: 1810 mg/m ³ TWA: 600 ppm TWA: 1450 mg/m ³	TWA: 800 ppm TWA: 1900 mg/m ³	TWA: 1000 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ Ceiling / Peak: 4000 ppm Ceiling / Peak: 9600 mg/m ³
n-Butyl alcohol 71-36-3		STEL: 50 ppm STEL: 154 mg/m ³ Skin	STEL: 50 ppm STEL: 150 mg/m ³	S* STEL: 50 ppm STEL: 154 mg/m ³	TWA: 100 ppm TWA: 310 mg/m ³ Ceiling / Peak: 100 ppm Ceiling / Peak: 310 mg/m ³
Diacetone alcohol 123-42-2		STEL: 75 ppm STEL: 362 mg/m ³ TWA: 50 ppm TWA: 241 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³	TWA: 50 ppm TWA: 241 mg/m ³	TWA: 20 ppm TWA: 96 mg/m ³ Ceiling / Peak: 40 ppm Ceiling / Peak: 192 mg/m ³ Skin
Isopropyl alcohol 67-63-0		STEL: 500 ppm STEL: 1250 mg/m ³ TWA: 400 ppm TWA: 999 mg/m ³	STEL: 400 ppm STEL: 980 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m ³
n-Propyl acetate 109-60-4		STEL: 250 ppm STEL: 1060 mg/m ³ TWA: 200 ppm TWA: 849 mg/m ³	VME: 200 ppm VME: 840 mg/m ³	VLA-EC: 250 ppm VLA-EC: 1060 mg/m ³ VLA-ED: 200 ppm VLA-ED: 849 mg/m ³	MAK: 100 ppm MAK: 420 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 840 mg/m ³
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Ethanol 64-17-5 (15-40)	-	TWA: 1000 ppm	Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³
n-Butyl acetate 123-86-4 (10-30)		STEL: 200 ppm TWA: 150 ppm		TWA: 150 ppm TWA: 720 mg/m ³ STEL: 200 ppm STEL: 960 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³

Butane (with >0.1% 1,3 butadiene) 106-97-8 (7-13)		TWA: 1000 ppm		TWA: 800 ppm STEL: 1000 ppm	TWA: 500 ppm TWA: 1200 mg/m ³
n-Butyl alcohol 71-36-3 (5-10)		TWA: 20 ppm		TWA: 50 ppm TWA: 150 mg/m ³ STEL: 75 ppm STEL: 230 mg/m ³ Skin	Ceiling: 50 ppm Ceiling: 150 mg/m ³ Skin
Diacetone alcohol 123-42-2 (1-5)		TWA: 50 ppm		TWA: 50 ppm TWA: 240 mg/m ³ STEL: 75 ppm STEL: 360 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³
Isopropyl alcohol 67-63-0 (1-5)		STEL: 400 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 200 ppm TWA: 490 mg/m ³
n-Propyl acetate 109-60-4 (1-5)		STEL: 250 ppm TWA: 200 ppm		TWA: 100 ppm TWA: 420 mg/m ³ STEL: 200 ppm STEL: 850 mg/m ³	TWA: 150 ppm TWA: 625 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Ethanol 64-17-5	STEL 2000 ppm STEL 3800 mg/m ³ MAK: 1000 ppm MAK: 1900 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ MAK: 500 ppm MAK: 960 mg/m ³	NDS: 1900 mg/m ³	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	STEL: 1000 ppm
n-Butyl acetate 123-86-4	STEL 100 ppm STEL 480 mg/m ³ TWA: 100 ppm TWA: 480 mg/m ³	STEL: 200 ppm STEL: 960 mg/m ³ TWA: 100 ppm TWA: 480 mg/m ³	STEL: 950 mg/m ³ TWA: 200 mg/m ³		TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³
Butane (with >0.1% 1,3 butadiene) 106-97-8	STEL 1600 ppm STEL 3800 mg/m ³ TWA: 800 ppm TWA: 1900 mg/m ³	STEL: 3200 ppm STEL: 7200 mg/m ³ TWA: 800 ppm TWA: 1900 mg/m ³	STEL: 3000 mg/m ³ TWA: 1900 mg/m ³	TWA: 250 ppm TWA: 600 mg/m ³ STEL: 312.5 ppm STEL: 750 mg/m ³	TWA: 1000 ppm STEL: 3000 ppm
n-Butyl alcohol 71-36-3	STEL 200 ppm STEL 600 mg/m ³ TWA: 50 ppm TWA: 150 mg/m ³	STEL: 50 ppm STEL: 150 mg/m ³ TWA: 50 ppm TWA: 150 mg/m ³	STEL: 150 mg/m ³ TWA: 50 mg/m ³	Skin Ceiling: 25 ppm Ceiling: 75 mg/m ³	TWA: 20 ppm Skin
Diacetone alcohol 123-42-2	Skin TWA: 50 ppm TWA: 240 mg/m ³	Skin STEL: 40 ppm STEL: 192 mg/m ³ TWA: 20 ppm TWA: 96 mg/m ³	TWA: 240 mg/m ³	TWA: 25 ppm TWA: 120 mg/m ³ STEL: 37.5 ppm STEL: 150 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³ STEL: 75 ppm STEL: 360 mg/m ³
Isopropyl alcohol 67-63-0	STEL 800 ppm STEL 2000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 1200 mg/m ³ TWA: 900 mg/m ³	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 150 ppm STEL: 306.25 mg/m ³	TWA: 200 ppm STEL: 400 ppm Skin
n-Propyl acetate 109-60-4	STEL 100 ppm STEL 420 mg/m ³ MAK: 100 ppm MAK: 420 mg/m ³ Ceiling 100 ppm Ceiling 420 mg/m ³	STEL: 200 ppm STEL: 840 mg/m ³ MAK: 100 ppm MAK: 420 mg/m ³	NDSch: 400 mg/m ³ NDS: 200 mg/m ³	TWA: 100 ppm TWA: 420 mg/m ³ STEL: 150 ppm STEL: 525 mg/m ³	TWA: 200 ppm TWA: 840 mg/m ³ STEL: 250 ppm STEL: 1050 mg/m ³

Chemical Name	European Union	United Kingdom	France	Spain	Germany
n-Butyl alcohol 71-36-3					10 mg/g urine end of shift 1-Butanol after hydrolysis; measured as mg/g Creatinine 2 mg/g urine before beginning of next shift 1-Butanol after hydrolysis; measured as mg/g Creatinine
Isopropyl alcohol 67-63-0				40 mg/L urine end of workweek Acetone 1,F,I	25 mg/L whole blood end of shift Acetone 25 mg/L urine end of shift Acetone

Component	Italy	Portugal	Netherlands	Finland	Denmark
Isopropyl alcohol 67-63-0 (1-5)	(ACGIH:) 40 mg/L urine end of shift at end of workweek Acetone Background, nonspecific				
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl alcohol 67-63-0		25 mg/L urine end of shift Acetone 25 mg/L whole blood end of shift Acetone			
Component	Romania	Slovakia	Latvia	Bulgaria	
n-Butyl alcohol 71-36-3 (5-10)		2 mg/g creatinine urine after all work shifts n-Butyl alcohol for long-term exposure 10 mg/g creatinine urine end of exposure or work shift n-Butyl alcohol			
Isopropyl alcohol 67-63-0 (1-5)	50 mg/L urine end of shift Acetone				

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment
Eye Protection No protective equipment is needed under normal use conditions. Avoid contact with eyes.
Risk of contact: Chemical splash goggles.
Skin and Body Protection No protective equipment is needed under normal use conditions.
Hand Protection Chemical resistant gloves
Respiratory Protection None required under normal usage. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Aerosol **Appearance** (for liquid) Thin viscosity, Color: Blue, Red
Odor Sweet, Solvent

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	76.667-125 °C / 170-257 °F	None known
Flash Point	11.667 °C / 53 °F	None known
Evaporation rate	< 1	BuAc = 1
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	> 1 (air = 1)	None known
Relative Density	0.85 @ 70°F	None known
Water Solubility	Negligible	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known

Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	EXTREMELY FLAMMABLE	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

9.2. Other information

VOC Content (%)	8703A Dk Blue/Steel Blue: 95.59%
	8704A Red/Steel Red: 93.89%
VOC (g/l)	8703A Dk Blue/Steel Blue: 808 g/L
	8704A Red/Steel Red: 797 g/L
Flammability Limits in Air	
Upper	19.0
Lower	1.40

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks. Incompatible products.

10.5. Incompatible materials

Strong oxidizing agents. Strong reducing agents. Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Soot. Carbon monoxide (CO). Carbon dioxide (CO₂).

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause drowsiness and dizziness.

Eye Contact

Irritating to eyes. Causes serious eye damage.

Skin Contact

May cause irritation. Causes mild skin irritation

Ingestion

May be harmful if swallowed. Ingestion may cause nausea and vomiting.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
n-Butyl acetate	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 391 ppm (Rat) 4 h
Butane (with >0.1% 1,3 butadiene)			658 mg/L (Rat) 4 h
Propane		-	= 658 mg/L (Rat) 4 h
n-Butyl alcohol	= 790 mg/kg (Rat)	= 3400 mg/kg (Rabbit)	= 8000 ppm (Rat) 4 h
Diacetone alcohol	= 4 g/kg (Rat)	= 13500 mg/kg (Rabbit)	
Isopropyl alcohol	= 4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h
n-Propyl acetate	= 9370 mg/kg (Rat)	> 17760 mg/kg (Rabbit)	
Malachite green oxalate	= 275 mg/kg (Rat)		

Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenic Effects	No information available.
Reproductive Toxicity	No information available.
Developmental Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Central nervous system (CNS). Eyes. Respiratory system. Skin.
Aspiration Hazard	No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanol		LC50 96 h: 12.0 - 16.0 mL/L static (Oncorhynchus mykiss) LC50 96 h: > 100 mg/L static (Pimephales promelas) LC50 96 h: 13400 - 15100 mg/L flow-through (Pimephales promelas)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	LC50 48 h: 9268 - 14221 mg/L (Daphnia magna) EC50 24 h: = 10800 mg/L (Daphnia magna) EC50 48 h: = 2 mg/L Static (Daphnia magna)
n-Butyl acetate	EC50 72 h: = 674.7 mg/L (Desmodesmus subspicatus)	LC50 96 h: 17 - 19 mg/L flow-through (Pimephales promelas) LC50 96 h: = 100 mg/L static (Lepomis macrochirus) LC50 96 h: = 62 mg/L static (Leuciscus idus)	EC50 = 70.0 mg/L 5 min EC50 = 82.2 mg/L 15 min EC50 = 959 mg/L 18 h EC50 = 98.9 mg/L 30 min	EC50 24 h: = 72.8 mg/L (Daphnia magna)
n-Butyl alcohol	EC50 96 h: > 500 mg/L (Desmodesmus subspicatus) EC50 72 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: 1730 - 1910 mg/L static (Pimephales promelas) LC50 96 h: = 1740 mg/L flow-through (Pimephales promelas) LC50 96 h: 100000 - 500000 µg/L static (Lepomis macrochirus) LC50 96 h: = 1910000 µg/L static (Pimephales promelas)	EC50 = 2041.4 mg/L 5 min EC50 = 2186 mg/L 30 min EC50 = 3980 mg/L 24 h EC50 = 4400 mg/L 17 h	EC50 48 h: = 1983 mg/L (Daphnia magna) EC50 48 h: 1897 - 2072 mg/L Static (Daphnia magna)
Diacetone alcohol		LC50 96 h: = 420 mg/L static (Lepomis macrochirus) LC50 96 h: = 420 mg/L (Lepomis macrochirus)		EC50 24 h: = 8750 mg/L (Daphnia magna)
Isopropyl alcohol	EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus) EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 11130 mg/L static (Pimephales promelas) LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas) LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)		EC50 48 h: = 13299 mg/L (Daphnia magna)
n-Propyl acetate		LC50 96 h: 56-64 mg/L flow-through (Pimephales promelas) LC50 96 h: 56-64 mg/L static (Pimephales promelas)		EC50 24 h: = 318 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

Chemical Name	Log Pow
Ethanol	-0.32
n-Butyl acetate	1.81
Butane (with >0.1% 1,3 butadiene)	2.89
n-Butyl alcohol	0.785
Diacetone alcohol	1.03
Isopropyl alcohol	0.05

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols
14.3. Hazard Class	2
Subsidiary Class	See SP63
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1 (See SP63), (11.667°C c.c.)
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
EmS No.	F-D, S-U
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols
14.3. Hazard Class	2
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	5F

ADR

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols
14.3. Hazard Class	2
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1, (D)
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	5F
Tunnel Restriction Code	(D)

ICAO

14.1. UN-Number	UN1950
14.2. Proper shipping name	Aerosols
14.3. Hazard Class	2.1
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN1950
14.2. Proper Shipping Name	Aerosols, flammable
14.3. Hazard Class	2.1
14.4. Packing Group	Not regulated.
Description	UN1950, Aerosols, flammable, 2.1
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ERG Code	10L

Section 15. Regulatory information

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

International Inventories

TSCA	Complies
EINECS/ELINCS	-
DSL/NDSL	-
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor

H336 - May cause drowsiness or dizziness

H319 - Causes serious eye irritation

H226 - Flammable liquid and vapor

H302 - Harmful if swallowed

H361d - Suspected of damaging the unborn child

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H315 - Causes skin irritation

H335 - May cause respiratory irritation

EUH066 - Repeated exposure may cause skin dryness or cracking

H222 - Extremely flammable aerosol

EUH210 - Safety data sheet available on request

H316 - Causes mild skin irritation

H280 - Contains gas under pressure; may explode if heated

H340 - May cause genetic defects

H350 - May cause cancer

Key literature references and sources for data

www.ChemADVISOR.com/

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This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

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End of Safety Data Sheet