SAFETY DATA SHEET

Issuing Date 09-Apr-2014 **Revision Date** 05-Aug-2016 **Revision Number** 4

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

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
Chronic Aquatic Toxicity	Category 3

Physical Hazards

Flammable aerosols	Category 1

2.2. Label Elements

Signal Word **Danger**

Hazard Statements
H318 - Causes serious eye damage
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects
H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)
P280 - Wear 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
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F
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

2.3. Other information
No information available.

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	30-40	Flam. Liq. 2 (H225)	No data available
n-Butyl acetate	204-658-1	123-86-4	20-30	(EUH066) Flam. Liq. 3 (H226) STOT SE 3 (H336)	No data available
Petroleum gases, liquified, sweetened	270-705-8	68476-86-8	20-30	Muta. 1B (H340) Press. Gas Carc. 1A (H350) Flam. Gas 1 (H220)	No data available

n-Butyl alcohol	200-751-6	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	204-626-7	123-42-2	1-5	Eye Irrit. 2 (H319)	No data available
Isopropyl alcohol	200-661-7	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
Xanthylium,9-(2-carboxyphenyl)-3,6-bis(diethyl amino)-, hydrogenbis[3-[(4,5-dihydro-3-methyl-5...	284-723-9	84962-27-6	1-5		No data available
Malachite green oxalate	219-441-7	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

Note
The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8). This Note applies only to certain complex oil-derived substances in Part 3 of Annex VI.

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 Serious eye irritation or damage. Drowsiness. Dizziness.

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 (CO_2).

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. Should not be released into the environment. See Section 12 for additional Ecological Information.

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	Austria	Belgium	Cyprus	Denmark
Ethanol 64-17-5	-	STEL 2000 ppm STEL 3800 mg/m³ MAK: 1000 ppm MAK: 1900 mg/m³	TWA: 1000 ppm TWA: 1907 mg/m³		TWA: 1000 ppm TWA: 1900 mg/m³
n-Butyl acetate 123-86-4		STEL: 100 ppm STEL: 480 mg/m³ TWA: 100 ppm TWA: 480 mg/m³ Ceiling: 100 ppm Ceiling: 480 mg/m³	TWA: 150 ppm TWA: 723 mg/m³ STEL: 200 ppm STEL: 964 mg/m³		TWA: 150 ppm TWA: 710 mg/m³
n-Butyl alcohol 71-36-3		STEL: 200 ppm STEL: 600 mg/m³ TWA: 50 ppm TWA: 150 mg/m³	TWA: 20 ppm TWA: 62 mg/m³ Skin		Ceiling: 50 ppm Ceiling: 150 mg/m³ Skin
Diacetone alcohol 123-42-2		TWA: 50 ppm TWA: 240 mg/m³ Skin	TWA: 50 ppm TWA: 241 mg/m³		TWA: 50 ppm TWA: 240 mg/m³
Isopropyl alcohol 67-63-0		STEL: 800 ppm STEL: 2000 mg/m³ TWA: 200 ppm TWA: 500 mg/m³ Carc*	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³		TWA: 200 ppm TWA: 490 mg/m³
n-Propyl acetate 109-60-4		STEL: 100 ppm STEL: 420 mg/m³ TWA: 100 ppm TWA: 420 mg/m³ Ceiling: 100 ppm Ceiling: 420 mg/m³	TWA: 200 ppm TWA: 847 mg/m³ STEL: 250 ppm STEL: 1055 mg/m³		TWA: 150 ppm TWA: 625 mg/m³
Xanthylium,9-(2-carboxyphenyl)-3,6-bis(diethyl amino)-, hydrogenbis[3-[(4,5-dihydro-3-methyl-5... 84962-27-6					TWA: 0.005 mg/m³

Chemical Name	Finland	France	Germany	Gibraltar	Greece
Ethanol 64-17-5	TWA: 1000 ppm TWA: 1900 mg/m³ STEL: 1300 ppm STEL: 2500 mg/m³	VME: 1000 ppm VME: 1900 mg/m³ VLCT: 5000 ppm VLCT: 9500 mg/m³	MAK: 500 ppm MAK: 960 mg/m³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m³ TWA: 500 ppm TWA: 960 mg/m³		TWA: 1000 ppm TWA: 1900 mg/m³
n-Butyl acetate 123-86-4	TWA: 150 ppm TWA: 720 mg/m³ STEL: 200 ppm STEL: 960 mg/m³	TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 940 mg/m³	TWA: 100 ppm TWA: 480 mg/m³ Ceiling / Peak: 200 ppm Ceiling / Peak: 960 mg/m³ TWA: 62 ppm TWA: 300 mg/m³ Repr*		TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 950 mg/m³

n-Butyl alcohol 71-36-3	TWA: 50 ppm TWA: 150 mg/m³ STEL: 75 ppm STEL: 230 mg/m³ Skin	STEL: 50 ppm STEL: 150 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Ceiling / Peak: 100 ppm Ceiling / Peak: 310 mg/m³ Repr*		TWA: 100 ppm TWA: 300 mg/m³ STEL: 100 ppm STEL: 300 mg/m³ Skin
Diacetone alcohol 123-42-2	TWA: 50 ppm TWA: 240 mg/m³ STEL: 75 ppm STEL: 360 mg/m³	TWA: 50 ppm TWA: 240 mg/m³	TWA: 20 ppm TWA: 96 mg/m³ Ceiling / Peak: 40 ppm Ceiling / Peak: 192 mg/m³ Skin Repr*		TWA: 50 ppm TWA: 240 mg/m³ STEL: 75 ppm STEL: 360 mg/m³
Isopropyl alcohol 67-63-0	TWA: 200 ppm TWA: 500 mg/m³ STEL: 250 ppm STEL: 620 mg/m³	STEL: 400 ppm STEL: 980 mg/m³	TWA: 200 ppm TWA: 500 mg/m³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1000 mg/m³ Repr*		TWA: 400 ppm TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m³
n-Propyl acetate 109-60-4	TWA: 100 ppm TWA: 420 mg/m³ STEL: 200 ppm STEL: 850 mg/m³	TWA: 200 ppm TWA: 840 mg/m³	TWA: 100 ppm TWA: 420 mg/m³ Ceiling / Peak: 200 ppm Ceiling / Peak: 840 mg/m³ Repr*		TWA: 200 ppm TWA: 840 mg/m³ STEL: 250 ppm STEL: 1050 mg/m³

Chemical Name	Ireland	Italy	Lithuania	Luxembourg	Malta
Ethanol 64-17-5	STEL: 1000 ppm	-	TWA: 500 ppm TWA: 1000 mg/m³ STEL: 1000 ppm STEL: 1900 mg/m³		
n-Butyl acetate 123-86-4	TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 950 mg/m³	TWA: 150 ppm TWA: 713 mg/m³ STEL: 200 ppm STEL: 950 mg/m³			
n-Butyl alcohol 71-36-3	TWA: 20 ppm STEL: 60 ppm Skin	TWA: 20 ppm TWA: 61 mg/m³	TWA: 15 ppm TWA: 45 mg/m³ Ceiling: 30 ppm Ceiling: 90 mg/m³ Skin Acute*		
Diacetone alcohol 123-42-2	TWA: 50 ppm TWA: 240 mg/m³ STEL: 75 ppm STEL: 360 mg/m³	TWA: 50 ppm TWA: 238 mg/m³	TWA: 25 ppm TWA: 120 mg/m³ STEL: 50 ppm STEL: 240 mg/m³		
Isopropyl alcohol 67-63-0	TWA: 200 ppm STEL: 400 ppm Skin	TWA: 200 ppm TWA: 492 mg/m³ STEL: 400 ppm STEL: 983 mg/m³ Carc*	TWA: 150 ppm TWA: 350 mg/m³ STEL: 250 ppm STEL: 600 mg/m³		
n-Propyl acetate 109-60-4	TWA: 200 ppm TWA: 840 mg/m³ STEL: 250 ppm STEL: 1050 mg/m³	TWA: 200 ppm TWA: 835 mg/m³ STEL: 250 ppm STEL: 1044 mg/m³	TWA: 100 ppm TWA: 420 mg/m³ STEL: 200 ppm STEL: 800 mg/m³		
Xanthylium,9-(2-carboxyphenyl)-3,6-bis(diethyl amino)-, hydrogenbis[3-[(4,5-dihydro-3-methyl-5... 84962-27-6	TWA: 2 mg/m³ STEL: 6 mg/m³				

Chemical Name	The Netherlands	Norway	Poland	Portugal	Spain
Ethanol 64-17-5	TWA: 260 mg/m³ STEL: 1900 mg/m³ Skin	TWA: 500 ppm TWA: 950 mg/m³ STEL: 500 ppm STEL: 950 mg/m³	NDS: 1900 mg/m³	TWA: 1000 ppm	VLA-ED: 1000 ppm VLA-ED: 1910 mg/m³
n-Butyl acetate 123-86-4			TWA: 200 mg/m³ STEL: 950 mg/m³	TWA: 150 ppm STEL: 200 ppm	TWA: 150 ppm TWA: 724 mg/m³ STEL: 200 ppm STEL: 965 mg/m³
n-Butyl alcohol 71-36-3		Ceiling: 25 ppm Ceiling: 75 mg/m³ Skin	TWA: 50 mg/m³ STEL: 150 mg/m³	TWA: 20 ppm	TWA: 20 ppm TWA: 61 mg/m³ STEL: 50 ppm STEL: 154 mg/m³
Diacetone alcohol 123-42-2		TWA: 25 ppm TWA: 120 mg/m³ STEL: 25 ppm STEL: 120 mg/m³	TWA: 240 mg/m³	TWA: 50 ppm	TWA: 50 ppm TWA: 241 mg/m³
Isopropyl alcohol 67-63-0		TWA: 100 ppm TWA: 245 mg/m³ STEL: 100 ppm STEL: 245 mg/m³	TWA: 900 mg/m³ STEL: 1200 mg/m³	TWA: 200 ppm STEL: 400 ppm Carc*	TWA: 200 ppm TWA: 500 mg/m³ STEL: 400 ppm STEL: 1000 mg/m³
n-Propyl acetate 109-60-4		TWA: 100 ppm TWA: 420 mg/m³ STEL: 100 ppm STEL: 420 mg/m³	TWA: 200 mg/m³ STEL: 400 mg/m³	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 849 mg/m³ STEL: 250 ppm STEL: 1060 mg/m³
Xanthylium,9-(2-carboxyphenyl)-3,6-bis(diethyl amino)-, hydrogenbis[3-[(4,5-dihydro-3-methyl-5... 84962-27-6	TWA: 0.5 mg/m³	TWA: 0.005 mg/m³ TWA: 0.5 mg/m³ STEL: 0.005 mg/m³ STEL: 1.5 mg/m³	TWA: 0.5 mg/m³	TWA: 0.5 mg/m³	

Chemical Name	Switzerland	Sweden	The United Kingdom
Ethanol 64-17-5	STEL: 1000 ppm STEL: 1920 mg/m³ MAK: 500 ppm MAK: 960 mg/m³	LLV: 500 ppm LLV: 1000 mg/m³ STV: 1000 ppm STV: 1900 mg/m³	STEL: 3000 ppm STEL: 5760 mg/m³ TWA: 1000 ppm TWA: 1920 mg/m³
n-Butyl acetate 123-86-4	STEL: 200 ppm STEL: 960 mg/m³ TWA: 100 ppm TWA: 480 mg/m³	LLV: 100 ppm LLV: 500 mg/m³ STV: 150 ppm STV: 700 mg/m³	TWA: 150 ppm TWA: 724 mg/m³ STEL: 200 ppm STEL: 966 mg/m³
n-Butyl alcohol 71-36-3	STEL: 50 ppm STEL: 150 mg/m³ TWA: 50 ppm TWA: 150 mg/m³	LLV: 15 ppm LLV: 45 mg/m³ CLV: 30 ppm CLV: 90 mg/m³ Skin	STEL: 50 ppm STEL: 154 mg/m³ Skin
Diacetone alcohol 123-42-2	STEL: 40 ppm STEL: 192 mg/m³ TWA: 20 ppm TWA: 96 mg/m³ Skin	LLV: 25 ppm LLV: 120 mg/m³ STV: 50 ppm STV: 240 mg/m³	TWA: 50 ppm TWA: 241 mg/m³ STEL: 75 ppm STEL: 362 mg/m³
Isopropyl alcohol 67-63-0	STEL: 400 ppm STEL: 1000 mg/m³ TWA: 200 ppm TWA: 500 mg/m³	LLV: 150 ppm LLV: 350 mg/m³ STV: 250 ppm STV: 600 mg/m³	TWA: 400 ppm TWA: 999 mg/m³ STEL: 500 ppm STEL: 1250 mg/m³
n-Propyl acetate 109-60-4	STEL: 200 ppm STEL: 840 mg/m³ TWA: 100 ppm TWA: 420 mg/m³	LLV: 100 ppm LLV: 400 mg/m³ STV: 200 ppm STV: 800 mg/m³	TWA: 200 ppm TWA: 849 mg/m³ STEL: 250 ppm STEL: 1060 mg/m³
Xanthylium,9-(2-carboxyphenyl)-3,6-bis(diethyl amino)-, hydrogenbis[3-[(4,5-dihydro-3-methyl-5... 84962-27-6	TWA: 0.5 mg/m³		TWA: 0.5 mg/m³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Chemical Name	European Union	Austria	Bulgaria	Croatia	Czech Republic

Isopropyl alcohol 67-63-0				50 mg/L blood at the end of the shift Acetone 50 mg/L urine at the end of the shift Acetone	
Chemical Name	**Denmark**	**Finland**	**France**	**Germany**	**Gibraltar**
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				25 mg/L whole blood end of shift Acetone 25 mg/L urine end of shift Acetone	
Xanthylium,9-(2-carboxyphenyl)-3,6-bis(diethyl amino)-, hydrogenbis[3-[(4,5-dihydro-3-methyl-5... 84962-27-6			0.01 mg/g creatinine urine Total Chromium augmented during shift (soluble aerosol, Background noise on non-exposed subjects) 0.03 mg/g creatinine urine end of shift at end of workweek Total Chromium soluble aerosol, Background noise on non-exposed subjects		
Chemical Name	**Hungary**	**Ireland**	**Italy**	**Latvia**	**Luxembourg**
Isopropyl alcohol 67-63-0		40 mg/L urine end of shift at end of workweek Acetone background, nonspecific	(ACGIH:) 40 mg/L urine end of shift at end of workweek Acetone Background, nonspecific		
Chemical Name	**Netherlands**	**Norway**	**Poland**	**Portugal**	**Romania**
Isopropyl alcohol 67-63-0					50 mg/L urine end of shift Acetone

Chemical Name	**Slovakia**	**Spain**	**Switzerland**	**United Kingdom**
n-Butyl alcohol 71-36-3	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		40 mg/L urine end of workweek Acetone 1,F,I	25 mg/L urine end of shift Acetone 25 mg/L whole blood 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

Property	Values	Remarks/ - Method
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	No data available	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 (CO_2).

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. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Eye Contact Causes serious eye damage.

Skin Contact Causes mild skin irritation. Repeated exposure may cause skin dryness or cracking.

Ingestion Not an expected route of exposure. 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
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

NOTE: As per Nota K, the carcinogen classification does NOT apply to this preparation because the producer declares that the "Petroleum gases" contains less than 0.1% w/w 1,3-butadiene (Einecs No 203-450-8).

Reproductive Toxicity Contains a known or suspected reproductive toxin. May damage fertility or the unborn child

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

Harmful to aquatic life with long lasting effects.

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)		EC24 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
Petroleum gases, liquified, sweetened	2.8
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

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	Not determined
DSL/NDSL	Not determined
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
H340 - May cause genetic defects
H350 - May cause cancer
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects
H220 - Extremely flammable gas
H315 - Causes skin irritation
H335 - May cause respiratory irritation
H222 - Extremely flammable aerosol
EUH066 - Repeated exposure may cause skin dryness or cracking

Key literature references and sources for data
www.ChemADVISOR.com/

Issuing Date	09-Apr-2014
Revision Date	05-Aug-2016
Revision Note	Change to composition.

This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006

General Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet