



SAFETY DATA SHEET

Issuing Date 01-May-2014

Revision Date 01-May-2014

Revision Number 0

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

1.1. Product identifier

Product Name Dykem Opaque Stain - all colors
Part Number Black (81724), Dark Blue (81478, 81778), Light Blue (81725), Dark Green (81706, 81806), Light Green (81708), Orange (81413, 81713), Pink (81760), Purple (81763), Red (81491, 81791), White (81427, 81727, 81827), Yellow (81405, 81705)
Formula Code Black (8718D1), Dark Blue (8719D1), Light Blue (8720D1), Dark Green (8939), Light Green (8940), Orange (8941), Pink (8726D2), Purple (8732D2), Red (8727D2), White (8728D1), Yellow (8938)
Synonyms Dykem Opaque Staining colors
 Contains Benzoic acid, 2-[(2-hydroxy-3,6-disulfo-1-naphthalenyl)azo]-, barium salt (2:3)

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
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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

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3

Physical Hazards

Flammable liquids	Category 2
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Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) F - Highly flammable
Xn - Harmful
R-code(s) F;R11 - Xn;R20/22 - Xi;R41 - R66

2.2. Label Elements



Signal Word

Danger

Hazard Statements

H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapor
EUH066 - Repeated exposure may cause skin dryness or cracking
EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection
P370 + P378 - In case of fire: Use foam, dry chemical or CO2 for extinction

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P321 - Specific treatment (see supplemental first aid instructions on this label)
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P362 - Take off contaminated clothing and wash before reuse
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
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P271 - Use only outdoors or in a well-ventilated area
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P240 - Ground/Bond container and receiving equipment
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
P403 + P235 - Store in a well-ventilated place. Keep cool

2.3. Other information**Section 3. Composition/information on ingredients****3.1. Substances**

Not applicable

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
n-Butyl acetate	Present	123-86-4	30-60	R10 R66 R67	(EUH066) Flam. Liq. 3 (H226) STOT SE 3 (H336)	No data available
n-Butyl alcohol	Present	71-36-3	10-30	R10 Xn; R22 Xi; R37/38-41 R67	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
Ethyl acetate	Present	141-78-6	7-13	F;R11 Xi;R36 R66 R67	(EUH066) Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	No data available
Isopropyl alcohol	Present	67-63-0	1-5	F;R11 Xi;R36 R67	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	F; R11 Xi; R36 R66 R67	(EUH066) Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

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. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Inhalation	Move to fresh air. 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

Carbon dioxide (CO₂). Foam. Dry chemical.

Extinguishing media which must not be used for safety reasons

Water.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Vapors heavier than air. Development of hazardous combustion gases or vapors possible in the event of fire. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

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. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material.

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

Small spillage: Take up with sand or other noncombustible absorbent material and place into containers for later disposal. 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

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 away from heat and sources of ignition. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from heat and sources of ignition. Keep away from incompatible materials.

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
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
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
Ethyl acetate 141-78-6		STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 1400 mg/m ³	TWA: 400 ppm TWA: 1460 mg/m ³	TWA: 400 ppm TWA: 1500 mg/m ³ Ceiling / Peak: 800 ppm Ceiling / Peak: 3000 mg/m ³
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
Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
n-Butyl acetate 123-86-4		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
n-Butyl alcohol 71-36-3		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
Ethyl acetate 141-78-6		TWA: 400 ppm		TWA: 300 ppm TWA: 1100 mg/m ³ STEL: 500 ppm STEL: 1800 mg/m ³	TWA: 150 ppm TWA: 540 mg/m ³
Isopropyl alcohol 67-63-0		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		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
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
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
Ethyl acetate 141-78-6	STEL 600 ppm STEL 2100 mg/m ³ TWA: 300 ppm TWA: 1050 mg/m ³	STEL: 800 ppm STEL: 2800 mg/m ³ TWA: 400 ppm TWA: 1400 mg/m ³	STEL: 600 mg/m ³ TWA: 200 mg/m ³	TWA: 150 ppm TWA: 550 mg/m ³ STEL: 187.5 ppm STEL: 687.5 mg/m ³	TWA: 200 ppm STEL: 400 ppm
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
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark

Isopropyl alcohol 67-63-0	(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			
Chemical Name	Romania	Slovakia	Latvia	Bulgaria	
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	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 If splashes are likely to occur, wear: Chemical splash goggles.
Skin and Body Protection Impervious clothing.
Hand Protection Chemical resistant gloves
Respiratory Protection No protective equipment is needed under normal use conditions. 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 Liquid. **Appearance** Thin viscosity, Color: Varies.
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	-4.444 °C / 24 °F	None known
Evaporation rate	< 1 (BuAc = 1)	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	> 1 (air = 1)	None known
Relative Density	0.90 @ 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	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
Explosive Properties	No information available
Oxidizing Properties	No information available

9.2. Other information

VOC Content (%)	8718D1 Black: 87.44% 8719D1 Dk Blue: 83.54% 8720D1 Lt Blue: 81.85% 8939 Dk Green: 87.49% 8940 Lt Green: 86.57% 8941 Orange: 84.96% 8726D2 Pink: 80.21% 8732D2 Purple: 84.36% 8727D2 Red: 87.95% 8728D1 White: 80.24% 8938 Yellow: 86.36%
VOC (g/l)	8718D1 Black: 772 g/L 8719D1 Dk Blue: 765 g/L 8720D1 Lt Blue: 766 g/L 8939 Dk Green: 777 g/L 8940 Lt Green: 775 g/L 8941 Orange: 761 g/L 8726D2 Pink: 798 g/L 8732D2 Purple: 773 g/L 8727D2 Red: 780 g/L 8728D1 White: 754 g/L 8938 Yellow: 771 g/L
Flammability Limits in Air	No information available.

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 acids. Strong alkalis.

10.6. Hazardous decomposition productsNitrogen oxides (NO_x). Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Smoke

Section 11. Toxicological information

11.1.**Acute Toxicity****Product Information****Inhalation**

May cause irritation of respiratory tract. May cause drowsiness and dizziness.

Eye Contact

Causes serious eye damage.

Skin Contact

Causes skin irritation.

Ingestion

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
n-Butyl acetate	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 391 ppm (Rat) 4 h
Ethanol	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
n-Butyl alcohol	= 790 mg/kg (Rat)	= 3400 mg/kg (Rabbit)	= 8000 ppm (Rat) 4 h
Ethyl acetate	= 5620 mg/kg (Rat)	> 20 mL/kg (Rabbit) > 18000 mg/kg (Rabbit)	
Titanium dioxide	> 10000 mg/kg (Rat)		
Carbon black	> 15400 mg/kg (Rat)	> 3 g/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)	

Sensitization

No information available.

Mutagenic Effects

No information available.

Carcinogenic Effects

Contains no ingredients above reportable quantities listed as a carcinogen.

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. Peripheral Nervous System (PNS) Respiratory system. Skin.

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity**Ecotoxicity Effects**

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
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)
Ethyl acetate	EC50 48 h: = 3300 mg/L (Desmodesmus subspicatus)	LC50 96 h: 220 - 250 mg/L flow-through (Pimephales promelas) LC50 96 h: = 484 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 352 - 500 mg/L semi-static (Oncorhynchus mykiss)	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	EC50 48 h: = 560 mg/L Static (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.

No information available.

Chemical Name	Log Pow
n-Butyl acetate	1.81
n-Butyl alcohol	0.785
Ethyl acetate	0.6
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**

UN1263

14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	II
Description	UN1263, Paint, 3, II, (-4.444°C c.c.)
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
EmS No.	F-E, S-E
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	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	II
Description	UN1263, Paint, 3, II
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	F1

ADR

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
ADR/RID-Labels	3
14.4. Packing Group	II
Description	UN1263, Paint, 3, II, (D/E)
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
Classification Code	F1
Tunnel Restriction Code	(D/E)

ICAO

14.1. UN-Number	UN1263
14.2. Proper shipping name	Paint
14.3. Hazard Class	3
14.4. Packing Group	II
Description	UN1263, Paint, 3, II
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	II
Description	UN1263, Paint, 3, II
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ERG Code	3L

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 R-phrases referred to under Sections 2 and 3

R10 - Flammable
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapors may cause drowsiness and dizziness
R41 - Risk of serious damage to eyes
R22 - Harmful if swallowed
R11 - Highly flammable
R36 - Irritating to eyes

R37/38 - Irritating to respiratory system and skin
R20/22 - Harmful by inhalation and if swallowed

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
H315 - Causes skin irritation
H335 - May cause respiratory irritation
H318 - Causes serious eye damage
EUH066 - Repeated exposure may cause skin dryness or cracking
EUH210 - Safety data sheet available on request

Key literature references and sources for data

www.ChemADVISOR.com/

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End of Safety Data Sheet