

## Safety Data Sheet

Printing date 06/09/2022

Revised On 06/09/2022

## 1 Identification of the substance and manufacturer

**Trade name:** DARK SHIELD  
**Product code:** 80-1225  
**Recommended use:** Paint and coatings application.  
**Uses advised against:** Any that differs from the recommended use.  
**Manufacturer/Supplier:** Kimball Midwest  
 4800 Roberts Road  
 Columbus, OH 43228  
 800-233-1294  
 www.kimballmidwest.com  
**Emergency telephone number:** ChemTrec: 800-424-9300

## 2 Hazard(s) identification

## Classification of the substance or mixture

Flammable Aerosols 1	H222 Extremely flammable aerosol.
Gases under Pressure - Liquefied gas	H280 Contains gas under pressure; may explode if heated.
Skin Irritation 2	H315 Causes skin irritation.
Eye Irritation 2A	H319 Causes serious eye irritation.
Sensitization - Skin 1	H317 May cause an allergic skin reaction.
Carcinogenicity 1B	H350 May cause cancer.
Toxic to Reproduction 2	H361 Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity - Single Exposure 3	H336 May cause drowsiness or dizziness.
Specific Target Organ Toxicity - Repeated Exposure 2	H373 May cause damage to the central nervous system and the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

## Additional information:

## GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

## Signal word

## Hazard statements

Danger  
 Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 May cause an allergic skin reaction.  
 May cause cancer.  
 Suspected of damaging fertility or the unborn child.  
 May cause drowsiness or dizziness.  
 May cause damage to the central nervous system and the lung through prolonged or repeated exposure. Route of exposure: Inhalation.  
 Obtain special instructions before use.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Call a poison center/doctor if you feel unwell.  
 Specific treatment (see on this label).  
 Take off contaminated clothing and wash it before reuse.  
 If eye irritation persists: Get medical advice/attention.  
 Store locked up.  
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

## Precautionary statements

## 3 Composition/information on ingredients

## Chemical characterization: Mixtures

**Chemical Description:** This product is a mixture of the substances listed below with nonhazardous additions.

## Dangerous components:

74-98-6	propane	15-25%
67-64-1	Acetone	10-15%
8052-41-3	Stoddard Solvent	10-15%
106-97-8	n-butane	5-10%
110-19-0	Isobutyl Acetate	5-10%
110-54-3	hexane	≥5-<10%
108-65-6	PM acetate	1-5%

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1330-20-7	xylene (mix)	1-5%
14807-96-6	Talc	1-5%
9006-04-6	Rubber	1-5%
1333-86-4	Carbon black	1-5%
64741-88-4	Paraffinic Petroleum oil	0.2-1%
	ethyl methyl ketoxime	0.17%

## 4 First-aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.  
**After skin contact:** Remove contaminated clothing. Wash exposed area with soap and water.  
**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.  
**After swallowing:** Rinse out mouth and then drink plenty of water. Rinse mouth with water. Do not induce vomiting.  
**Most important symptoms and effects:** Dizziness  
**Indication of any immediate medical attention needed:** No further relevant information available.

## 5 Fire-fighting measures

**Extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.  
**Special hazards:** Can form explosive gas-air mixtures.  
**Protective equipment for firefighters:** A respiratory protective device may be necessary.

## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use respiratory protective device against the effects of fumes/dust/aerosol.  
**Methods and material for containment and cleaning up:** Dispose contaminated material as waste according to section 13.

## 7 Handling and storage

**Precautions for safe handling:** Use only in well ventilated areas.  
**Storage requirements:** Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

## 8 Exposure controls/personal protection

## Components with limit values that require monitoring at the workplace:

## 74-98-6 propane

PEL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 REL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 TLV (USA) see Appendix F Minimal oxygen content ( D, EX)

## 67-64-1 Acetone

PEL (USA) Long-term value: 2400 mg/m<sup>3</sup>, 1000 ppm  
 REL (USA) Long-term value: 590 mg/m<sup>3</sup>, 250 ppm  
 TLV (USA) Short-term value: 500 ppm  
 Long-term value: 250 ppm  
 A4, BEI

## 8052-41-3 Stoddard Solvent

PEL (USA) Long-term value: 2900 mg/m<sup>3</sup>, 500 ppm  
 REL (USA) Long-term value: 350 mg/m<sup>3</sup>  
 Ceiling limit value: 1800\* mg/m<sup>3</sup>  
 \*15-min  
 TLV (USA) Long-term value: 100 ppm

## 106-97-8 n-butane

REL (USA) Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV (USA) Short-term value: 1000 ppm  
 (EX)

## 110-19-0 Isobutyl Acetate

PEL (USA) Long-term value: 700 mg/m<sup>3</sup>, 150 ppm  
 REL (USA) Long-term value: 700 mg/m<sup>3</sup>, 150 ppm  
 TLV (USA) Short-term value: 150 ppm  
 Long-term value: 50 ppm

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**110-54-3 hexane**

PEL (USA)	Long-term value: 1800 mg/m <sup>3</sup> , 500 ppm
REL (USA)	Long-term value: 180 mg/m <sup>3</sup> , 50 ppm
TLV (USA)	Long-term value: 50 ppm Skin; BEI

**108-65-6 PM acetate**

WEEL (USA)	Long-term value: 50 ppm
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**1330-20-7 xylene (mix)**

PEL (USA)	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL (USA)	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Short-term value: (150) ppm Long-term value: (100) NIC-20 ppm BEI, A4

**9006-04-6 Rubber**

TLV (USA)	Long-term value: 0.0001* mg/m <sup>3</sup> Skin; DSEN, RSEN;* inh. fraction
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**1333-86-4 Carbon black**

PEL (USA)	Long-term value: 3.5 mg/m <sup>3</sup>
REL (USA)	Long-term value: 3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m <sup>3</sup> *inhalable fraction, A3

**ethyl methyl ketoxime**

WEEL (USA)	Long-term value: 10 ppm DSEN
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**Ingredients with biological limit values:****67-64-1 Acetone**

BEI (USA)	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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**110-54-3 hexane**

BEI (USA)	0.5 mg/L Medium: urine Time: end of shift Parameter: 2.5-Hexanedione without hydrolysis
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**1330-20-7 xylene (mix)**

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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**Hygienic protection:**

Wash hands after use.

**Breathing equipment:**

Do not eat or drink while working.

A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

**Hand protection:**

Nitrile gloves.

The glove material must be impermeable and resistant to the substance.

**Eye protection:**

Tightly sealed goggles

**9 Physical and chemical properties****Appearance:**

Aerosol.

**Odor:**

Aromatic

**Odor threshold:**

Not determined.

**pH-value:**

Not determined.

**Melting point/Melting range**

Undetermined.

**Boiling point:**

-44 °C (-47.2 °F)

**Flash point:**

-19 °C (-2.2 °F)

**Flammability (solid, gas):**

Extremely flammable.

**Decomposition temperature:**

Not determined.

**Auto igniting:**

Product is not self-igniting.

**Danger of explosion:**

In use, may form flammable/explosive vapour-air mixture.

**Lower Explosion Limit:**

1 Vol %

**Upper Explosion Limit:**

10.9 Vol %

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**Vapor pressure:** Not determined.  
**Relative Density:** Between 0.77 and 0.85 (Water equals 1.00)  
**Vapor density:** Not determined.  
**Evaporation rate:** Not applicable.  
**Partition coefficient: n-octanol/water:** Not determined.  
**Solubility:** Not determined.  
**Viscosity:** Not determined.  
**Water:** 0.0 %

## 10 Stability and reactivity

**Reactivity:** Stable at normal temperatures.  
**Conditions to avoid:** Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.  
**Chemical stability:** Not fully evaluated.  
**Possibility of hazardous reactions:** No dangerous reactions known.  
**Incompatible materials:** No further relevant information available.  
**Hazardous decomposition:** No dangerous decomposition products known.

## 11 Toxicological information

LD/LC50 values that are relevant for classification:

## 110-19-0 Isobutyl Acetate

Oral	LD50	4,763 mg/kg (rbt)
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## 108-65-6 PM acetate

Oral	LD50	8,500 mg/kg (rat)
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Inhalative	LC50/4 h	35.7 mg/l (rat)
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## 1330-20-7 xylene (mix)

Oral	LD50	8,700 mg/kg (rat)
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Dermal	LD50	2,000 mg/kg (rbt)
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Inhalative	LC50/4 h	6,350 mg/l (rat)
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## 1333-86-4 Carbon black

Oral	LD50	10,000 mg/kg (rat)
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## ethyl methyl ketoxime

Oral	LD50	100 mg/kg (ATE)
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		3,700 mg/kg (rat)
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Dermal	LD50	1,100 mg/kg (ATE)
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		200-2,000 mg/kg (rat)
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Inhalative	LC50/4 h	20 mg/l (rat)
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**Information on toxicological effects:** No data available.**Skin effects:** No irritant effect.**Eye effects:** No irritating effect.**Sensitization:** No sensitizing effects known.

## 12 Ecological information

**Aquatic toxicity:** Hazardous for water, do not empty into drains.**Persistence and degradability:** The product is degradable after prolonged exposure to natural weathering processes.**Other information:** This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), heavy metals (chromium, lead, cadmium), or chlorinated solvents.**Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.**Remark:** Harmful to fish**Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

**Recommendation:** Completely empty cans should be recycled.**Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

UN-Number	UN1950
DOT	UN1950
DOT	Aerosols, flammable
ADR	1950 Aerosols

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**Transport hazard class(es):**  
**Class** 2.1 Gases  
**Marine pollutant:** No  
**Special precautions for user:** Warning: Gases  
**EMS Number:** F-D,S-U  
**Packaging Group:** --  
**UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

## 15 Regulatory information

**SARA Section 355 (extremely hazardous substances):**

None of the ingredients in this product are listed.

**SARA Section 313 (Specific toxic chemical listings):**

110-54-3 hexane

1330-20-7 xylene (mix)

**Toxic Substances Control Act****(TSCA):**

All hazardous ingredients are found on the inventory list of substances.

**Canadian Domestic Substances List****(DSL):**

All ingredients are listed or exempted.

**Consumer Product Safety****Comission (CPSC):**

This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

**California Proposition 65 chemicals known to cause cancer:**

1333-86-4 Carbon black

100-41-4 ethyl benzene

**Prop 65 chemicals known to cause birth defects or reproductive harm:**

110-54-3 hexane

**EPA:**

67-64-1 Acetone

I

110-19-0 Isobutyl Acetate

D

110-54-3 hexane

II

1330-20-7 xylene (mix)

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## 16 Other information

**Contact:** Regulatory Affairs