Purple K Dry Chemical
Safety Data Sheet

SECTION 1: Identification

1.1. Product identifier

Product name : Purple K Dry Chemical, Oval Fire Products Part No. OFP-PKP, Steel Fire Part No. PKP

1.2. Recommended use and restrictions on use

Fire Extinguisher

1.3. Supplier

Oval Fire Products Corporation
115 West Lake Drive #300
Glendale Heights, IL 60139

1.4. Emergency telephone number

630-635-5000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-US/GHS-CA)

Carc. 2 H351

Full text of classification categories and H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US/GHS-CA labeling

Hazard pictograms :

GHS08

Signal word : Warning

Hazard statements : H351 - Suspected of causing cancer

Precautionary statements : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US/GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (GHS-CA)
Monopotassium carbonate	(CAS No) 298-14-6	93	Not classified
Attapulgite	(CAS No) 12174-11-7	4	Not classified
Mica	(CAS No) 12001-26-2	2	Not classified
Siloxanes and Silicones, methyl hydrogen	(CAS No) 63148-57-2	< 0.5	Not classified
C.I. Pigment Violet 23	(CAS No) 6358-30-1	< 0.2	Not classified

Full text of classification categories and H statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If chemical is inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. If reddening or irritation occurs, victim and rescuers must seek immediate medical attention.

First-aid measures after skin contact : In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

First-aid measures after eye contact : Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

First-aid measures after ingestion : If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause moderate irritation.

Symptoms/injuries after eye contact : May cause eye irritation.

Symptoms/injuries after ingestion : May be harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : This product is a fire extinguishing agent.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : None.

5.3. Specific hazards arising from the hazardous product

Fire hazard : In a fire, this material may decompose and produce oxides of carbon, potassium and nitrogen.

Explosion hazard : None known.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

For containment : Stop the flow of material, if this is without risk.

Methods for cleaning up : Collect spilled material using vacuum or wet sweep and shovel to minimize dust generation. Dispose of in accordance with Federal, Provincial, and local hazardous waste disposal regulations.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid skin, eye, or respiratory exposure. Use appropriate PPE when handling or maintaining equipment, and wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep product in original container or extinguisher. Contents may be under pressure. Inspect for extinguisher rust periodically to insure container integrity. Do not mix with other agents, particularly ammonium phosphate. Do not store in high humidity.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mica (12001-26-2)		
USA - ACGIH	ACGIH TWA (mg/m³)	3 mg/m³ (respirable particulate matter)
Canada (Quebec)	VEMP (mg/m³)	3 mg/m³ (containing no Asbestos and <1% Crystalline silica-respirable dust)
Alberta	OEL TWA (mg/m³)	3 mg/m³ (respirable)
British Columbia	OEL TWA (mg/m³)	3 mg/m³ (respirable)
Manitoba	OEL TWA (mg/m³)	3 mg/m³ (respirable particulate matter)

Mica (12001-26-2)		
New Brunswick	OEL TWA (mg/m³)	3 mg/m³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)
New Foundland & Labrador	OEL TWA (mg/m³)	3 mg/m³ (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m³)	3 mg/m³ (respirable particulate matter)
Nunavut	OEL STEL (mg/m³)	6 mg/m³ (respirable fraction)
Nunavut	OEL TWA (mg/m³)	3 mg/m³ (respirable fraction)
Northwest Territories	OEL STEL (mg/m³)	6 mg/m³ (respirable fraction)
Northwest Territories	OEL TWA (mg/m³)	3 mg/m³ (respirable fraction)
Ontario	OEL TWA (mg/m³)	3 mg/m³ (respirable)
Prince Edward Island	OEL TWA (mg/m³)	3 mg/m³ (respirable particulate matter)
Québec	VEMP (mg/m³)	3 mg/m³ (containing no Asbestos and <1% Crystalline silica-respirable dust)
Saskatchewan	OEL STEL (mg/m³)	6 mg/m³ (respirable fraction)
Saskatchewan	OEL TWA (mg/m³)	3 mg/m³ (respirable fraction)
Yukon	OEL TWA (mg/m³)	20 mppcf

Attapulgite (12174-11-7)		
Canada (Quebec)	VEMP (mg/m³)	1 fibers/cm³ (respirable)
Québec	VEMP (mg/m³)	1 fibers/cm³ (respirable)

8.2. Appropriate engineering controls

Appropriate engineering controls : Local exhaust and general ventilation must be adequate to meet exposure standards.

8.3. Individual protection measures/Personal protective equipment

Hand protection : Use impervious gloves such as neoprene, nitrile, or rubber for hand protection.

Eye protection : Wear chemical goggles.

Skin and body protection : Wear suitable working clothes.

Respiratory protection : If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Finely divided powder

Color : Purple

Odor : Odorless.

Odor threshold : No data available

pH : 9 - 10 (10% solution)

pH solution : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Relative evaporation rate (ether=1) : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : < 1 mm Hg

Vapor pressure at 50 °C : No data available

Relative vapor density at 20 °C : No data available

Relative density : No data available

Relative density of saturated gas/air mixture : No data available

Specific gravity / density : Approx. 2.16

Relative gas density : No data available

Solubility : No data available

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties	:	No data available
Explosion limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Chemical stability	:	The product is stable at normal handling and storage conditions.
Possibility of hazardous reactions	:	Will not occur.
Conditions to avoid	:	Not determined.
Incompatible materials	:	Strong acids, ammonium phosphate, lithium.
Hazardous decomposition products	:	Heat of fire may release oxides of carbon, potassium and nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Skin corrosion/irritation	:	Not classified pH: 9 - 10 (10% solution)
Serious eye damage/irritation	:	Not classified pH: 9 - 10 (10% solution)
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Suspected of causing cancer.
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

GWPmix comment	:	No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations	:	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

TDG

Not regulated for transport

14.2. Transport information/DOT

DOT

Not regulated for transport

SECTION 15: Regulatory information

15.1. National regulations

Mica (12001-26-2)
Listed on the Canadian DSL (Domestic Sustances List)

Siloxanes and Silicones, methyl hydrogen (63148-57-2)
Listed on the Canadian DSL (Domestic Sustances List)

C.I. Pigment Violet 23 (6358-30-1)
Listed on the Canadian DSL (Domestic Sustances List)

Monopotassium carbonate (298-14-6)
Listed on the Canadian DSL (Domestic Sustances List)

15.2. US Federal regulations

Siloxanes and Silicones, methyl hydrogen (63148-57-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

C.I. Pigment Violet 23 (6358-30-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Monopotassium carbonate (298-14-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.3. US State regulations

Attapulgite (12174-11-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	

Mica (12001-26-2)
U.S. - Massachusetts - Right To Know List U.S. - Minnesota - Hazardous Substance List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H351	Suspected of causing cancer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product