

# Safety Data Sheet



## 1. Identification

**Product Information:** FE200-014-1

**Product Name:** FLASH-OFF™ CONTROL SOLVENT 1GAL

**Recommended Use:** Surface Preparation or Protection

**Supplied by:** Mohawk Finishing Products  
Division of RPM Industrial Coatings Group  
2220 US Hwy 70 SE Suite 100  
Hickory, NC 28602  
USA

**Company Phone No:** (800) 522-8266

**Emergency Phone No. CHEMTREC:** (800) 424-9300

**International Emergency No. CHEMTREC:** (703) 527-3887 (Collect calls are accepted)

## 2. Hazards Identification

### GHS Classification

Acute Tox. 3 Inhalation, Flam. Liq. 3

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

|  |      |                              |
|--|------|------------------------------|
| Flammable Liquid, category 3           | H226 | Flammable liquid and vapour. |
| Acute Toxicity, Oral, category 4       | H302 | Harmful if swallowed.        |
| Acute Toxicity, Inhalation, category 3 | H331 | Toxic if inhaled.            |

### GHS LABEL PRECAUTIONARY STATEMENTS

|                |   |
|----------------|---|
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.      |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P264           | Wash hands thoroughly after handling.   |
| P271           | Use only outdoors or in a well-ventilated area.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                          |
| P330           | Rinse mouth.  |
| P405           | Store locked up.  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                    |
| P301+P312      | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.                          |

P304+P340  
P403+P235  
P311

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Store in a well-ventilated place. Keep cool.  
Call a POISON CENTER or doctor/physician.

**GHS SDS PRECAUTIONARY STATEMENTS**

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.  
P270 Do not eat, drink or smoke when using this product.

**3. Composition/Information on ingredients**

| <u>Chemical Name</u>     | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u>    | <u>GHS Statements</u> |
|--------------------------|----------------|--------------|-----------------------|-----------------------|
| mak                      | 110-43-0       | 55-75        | GHS02-GHS06           | H226-302-331          |
| dipropyl ketone          | 123-19-3       | 25-40        | GHS02-GHS07           | H226-332              |
| 2,6-dimethyl-4-heptanone | 108-83-8       | 2.5-10       | GHS02-GHS06-<br>GHS07 | H226-302-312-331-335  |
| methyl isoamyl ketone    | 110-12-3       | 2.5-10       | GHS02-GHS07           | H226-332              |
| methyl isobutyl ketone   | 108-10-1       | 1.0-2.5      | GHS02-GHS06-<br>GHS07 | H225-319-331-335      |

The exact percentage (concentration) of ingredients is being withheld as a trade secret.

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

**4. First-aid Measures**

**FIRST AID - EYE CONTACT:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**FIRST AID - SKIN CONTACT:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

**FIRST AID - INGESTION:** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**FIRST AID - INHALATION:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**5. Fire-fighting Measures**

**SPECIAL FIREFIGHTING PROCEDURES:** Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazards while extinguishing the fire. Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

**FIREFIGHTING EQUIPMENT:** This is a NFPA/OSHA Class 1B or less flammable liquid. Follow NFPA30, Chapter 16 for fire protection and fire suppression. Use a dry chemical, carbon dioxide, or similar ABC fire extinguisher for incipient fires. Water may be used to cool and prevent rupture of containers that are exposed to heat from fire.

**6. Accidental Release Measures**

**ENVIRONMENTAL MEASURES:** No Information

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Follow personal protective equipment recommendations found in Section VIII. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred,

and the training and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Do not allow the spilled product to enter public drainage system or open waterways.

## 7. Handling and Storage



**HANDLING:** Avoid inhalation and contact with eyes, skin, and clothing. Wash hands thoroughly after handling and before eating or drinking. In keeping with safe handling practices, avoid ignition sources (smoking, flames, pilot lights, electrical sparks); ground and bond containers when transferring the material to prevent static electricity sparks that could ignite vapor and use spark proof tools and explosion proof equipment. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury.

**STORAGE:** Keep containers closed when not in use. Store in cool well ventilated space away from incompatible materials.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u>     | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|--------------------------|----------------------|-----------------------|---------------------|-------------------------|
| mak                      | 50 ppm               | N.D.                  | 100 ppm             | N.D.                    |
| dipropyl ketone          | 50 ppm               | N.D.                  | N.D.                | N.D.                    |
| 2,6-dimethyl-4-heptanone | 25 ppm               | N.D.                  | 50 ppm              | N.D.                    |
| methyl isoamyl ketone    | 20 ppm               | 50 ppm                | 100 ppm             | N.D.                    |
| methyl isobutyl ketone   | 20 ppm               | 75 ppm                | 100 ppm             | N.D.                    |

**Further Advice:** MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation  
Sk = Skin Sensitizer N.E. = Not Established N.D. = Not Determined

### Personal Protection



**RESPIRATORY PROTECTION:** Use adequate engineering controls and ventilation to keep levels below recommended or statutory exposure limits. If exposure levels exceed limits use appropriate approved respiratory protection equipment.



**SKIN PROTECTION:** Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.



**EYE PROTECTION:** Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.



**OTHER PROTECTIVE EQUIPMENT:** No Information



**HYGIENIC PRACTICES:** It is good practice to avoid contact with the product and/or its vapors, mists or dust by using appropriate protective measures. Wash thoroughly after handling and before eating or drinking.

## 9. Physical and Chemical Properties

|                                       |                           |   |                |
|---------------------------------------|---------------------------|---|----------------|
| <b>Appearance:</b>                    | Clear Liquid              | <b>Physical State:</b>                              | LIQUID         |
| <b>Odor:</b>                          | Strong Solvent            | <b>Odor Threshold:</b>                              | Not determined |
| <b>Density, g/cm<sup>3</sup>:</b>     | 0.812                     | <b>pH:</b>  | Not determined |
| <b>Freeze Point, °F:</b>              | Not determined            | <b>Viscosity:</b>                                   | Not determined |
| <b>Solubility in Water:</b>           | Not determined            | <b>Partition Coefficient, n-octanol/<br/>water:</b> | Not determined |
| <b>Decomposition temperature, °F:</b> | Not determined            | <b>Explosive Limits, %:</b>                         | Not determined |
| <b>Boiling Range, °F:</b>             | > 100 °F                  | <b>Flash Point, °F:</b>                             | 97 ° F         |
| <b>Combustibility:</b>                | Supports Combustion       | <b>Auto-Ignition Temperature, °F:</b>               | Not determined |
| <b>Evaporation Rate:</b>              | Faster than Diethyl Ether | <b>Vapor Pressure, mmHg:</b>                        | 999            |
| <b>Vapor Density:</b>                 | Not determined            |   |                |

N.I. = No Information

## 10. Stability and reactivity

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Heat, flames and sparks.

**INCOMPATIBILITY:** Acids, Bases, Oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not determined.

## 11. Toxicological information



### Practical Experiences

**EMERGENCY OVERVIEW:** No Information

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** No Information

**EFFECT OF OVEREXPOSURE - INGESTION:** No Information

**EFFECT OF OVEREXPOSURE - INHALATION:** No Information

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** No Information

**CARCINOGENICITY:** No Information

**PRIMARY ROUTE(S) OF ENTRY:**

Skin Contact, Ingestion, Inhalation

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|----------------------|------------------|--------------------|-------------------|
| 110-43-0       | mak                  | 1600 mg/kg Rat   | 10282 mg/kg Rabbit | >16.7 mg/l        |

|          |                          |                |                   |               |
|----------|--------------------------|----------------|-------------------|---------------|
| 123-19-3 | dipropyl ketone          | 3280 mg/kg Rat | 4641 mg/kg Rabbit | >20 mg/l      |
| 108-83-8 | 2,6-dimethyl-4-heptanone | 2000 mg/kg Rat | 2000 mg/kg Rat    | N.I.          |
| 110-12-3 | methyl isoamyl ketone    | 3200 mg/kg Rat | 8160 mg/kg Rabbit | 17.8 mg/L Rat |
| 108-10-1 | methyl isobutyl ketone   | 2080 mg/kg Rat | 3000 mg/kg Rabbit | 8.2 mg/L Rat  |

N.I. = No Information

## 12. Ecological information

**ECOLOGICAL INFORMATION:** Ecological evaluation of this material has not been performed; however, do not allow the product to be released to the environment without governmental approval/permits.

## 13. Disposal Information



Product

**DISPOSAL METHOD:** Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material, contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Follow personal protective equipment recommendations found in Section VIII. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Do not allow the spilled product to enter public drainage system or open waterways.

## 14. Transport Information

**SPECIAL TRANSPORT PRECAUTIONS:** No Information

|       |  |
|-------|--|
| DOT:  | LIMITED QUANTITY                       |
| IATA: | UN1263, PAINT RELATED MATERIAL, 3, III |
| IMDG: | UN1263, PAINT RELATED MATERIAL, 3, III |

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard

#### SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:


| <u>Chemical Name</u>   | <u>CAS-No.</u> | <u>Wt. %</u> |
|------------------------|----------------|--------------|
| methyl isobutyl ketone | 108-10-1       | 2.00         |

**TOXIC SUBSTANCES CONTROL ACT**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

**U.S. State Regulations:****CALIFORNIA PROPOSITION 65**

 WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

M I B K, Cancer, 2%

M I B K, Reproductive Harm, 2%

**16. Other Information**

**Revision Date:** 9/9/2020 **Supersedes Date:** 2/18/2019

**Reason for revision:** Substance and/or Product Properties Changed in Section(s):  
03 - Composition/Information on Ingredients  
09 - Physical & Chemical Information  
11 - Toxicological Information  
Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

|                |   |                      |   |                    |   |                             |   |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|
| <b>Health:</b> | 2 | <b>Flammability:</b> | 3 | <b>Reactivity:</b> | 0 | <b>Personal Protection:</b> | X |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|

**Volatile Organic Compounds, gr/ltr:** 812

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS02



GHS06



GHS07



**The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.**

**Only the original U.S. - English version is authoritative.**