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

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 STATE	MENTS	
P210		rom heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.	
P261	Avoid breath	ing dust/fume/gas/mist/vapours/spray.
P264	Wash hands	thoroughly after handling.
P271	Use only out	doors or in a well-ventilated area.
P280	Wear protect	tive gloves/protective clothing/eye protection/face protection.
P330	Rinse mouth	L.
P405	Store locked	lup.
P303+P361+P353	IF ON SKIN	(or hair): Take off immediately all contaminated clothing. Rinse skin with
	water/showe	r.
P403+P233	Store in a we	ell-ventilated place. Keep container tightly closed.
P301+P312	IF SWALLO	WED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for b	reathing.
P403+P235 Store in a well-ventilated place. Keep cool.	
P311 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

Chemical Name	CAS-No.	<u>Wt. %</u>	GHS Symbols	GHS Statements
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- 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- 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 incipeint 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					
Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	<u>OSHA PEL-TWA</u>	OSHA PEL-CEILING	
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.	

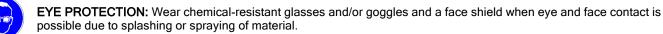
Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established N.D. = Not Determined

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.





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.

N.I. = No Information

9. Physical and Chemical Properties

Appearance:	Clear Liquid	Physical State:	LIQUID
Odor:	Strong Solvent	Odor Threshold:	Not determined
Density, g/cm3:	0.812	pH:	Not determined
Freeze Point, °F:	Not determined	Viscosity:	Not determined
Solubility in Water:	Not determined	Partition Coefficient, n-octanol/ water:	Not determined
Decomposition temperature, °F:	Not determined	Explosive Limits, %:	Not determined
Boiling Range, °F:	> 100 °F	Flash Point, °F:	97 ° F
Combustibility:	Supports Combustion	Auto-Ignition Temperature, °F:	Not determined
Evaporation Rate:	Faster than Diethyl Ether	Vapor Pressure, mmHg:	999
Vapor Density:	Not determined		

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

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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

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
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>	CAS-No.	<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.

M I B K, Cancer, 2% M I B K, Reproductive Harm, 2%

16. Other Information

Revision Date:	9/9/2020		Su	persedes Date:	2/18/2019
Reason for revision:	03 - Compo 09 - Physica 11 - Toxicol		on on Ingredient of formation on	ged in Section(s): s	
Datasheet produced by:	Regulatory [Department			
HMIS Ratings:					

Health:	2	Flammability:	3	Reactivity:	0	Personal Protection:	X

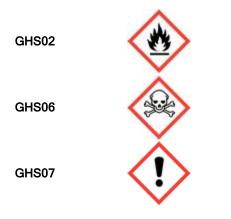
Volatile Organic Compounds, gr/ltr:

812

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

H225 H226	Highly flammable liquid and vapour. 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:



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.