



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Master STAGES™ RPO 6BF  
**Other means of identification** None.  
**Recommended use** Industrial use of Metal Treatment Products  
**Recommended restrictions** Applicable for industrial settings only. No other uses are advised.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company Name** Master Chemical Corp d/b/a Master Fluid Solutions  
**Address** 501 West Boundary Street  
Perrysburg, Ohio 43551-1200  
United States  
**Telephone** 419-874-7902  
**Website** www.masterfluidsolutions.com  
**E-mail** info@masterchemical.com  
**Emergency phone number** CHEMTREC 1-800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 4  
**Health hazards** Sensitization, skin Category 1B  
Aspiration hazard Category 1  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger  
**Hazard statement** May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Combustible liquid.  
**Precautionary statement**  
**Prevention** Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Keep away from flames and hot surfaces-No smoking. Wear protective gloves/eye protection/face protection.  
**Response** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use appropriate media for extinction.  
**Storage** Store in a well-ventilated place. Keep cool. Store locked up.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
PETROLEUM DISTILLATE		64742-47-8	60 - < 70

Chemical name	Common name and synonyms	CAS number	%
SEVERELY HYDROTREATED PETROLEUM OIL		64742-55-8	30 - < 40

Other components below reportable levels 5 - < 10

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash affected area with mild soap and water.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
<b>Ingestion</b>	In the unlikely event of swallowing contact a physician or poison control center. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	None known.
<b>General information</b>	Get medical attention, if needed.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	CO2, dry chemical, dry sand, alcohol resistant foam. Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	Combustible liquid and vapor.
<b>Special protective equipment and precautions for firefighters</b>	Containers should be cooled with water to prevent vapor pressure build up. Use standard firefighting procedures and consider the hazards of other involved materials.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	For personal protection, see section 8 of the SDS. Keep unnecessary personnel away. Use personal protective equipment as required.
<b>Methods and materials for containment and cleaning up</b>	Soak up with inert absorbent material. Clean up in accordance with all applicable regulations.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Do not taste or swallow. Wash thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep away from heat, sparks and open flame. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed in a dry and well-ventilated place. Static electricity and formation of sparks must be prevented. All equipment used when handling the product must be grounded.

#### 8. Exposure controls/personal protection

##### Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
PETROLEUM DISTILLATE (CAS 64742-47-8)	PEL	400 mg/m3	
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-55-8)	PEL	5 mg/m3	Mist.

##### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
SEVERELY HYDROTREATED PETROLEUM OIL (CAS 64742-55-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Appropriate engineering controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations**

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties**

**Physical state** Liquid.

**Color** Light brown

**Odor** Slight

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** -40 °F (-40 °C)

**Initial boiling point and boiling range** 377.6 °F (192 °C)

**Flash point** 181.4 °F (83.0 °C)

**Evaporation rate** < 1 BuAc

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Insoluble

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Other information**

**Flash point class** ASTM D93-08

**Kinematic viscosity** 3.95 cSt

**Kinematic viscosity temperature** 104 °F (40 °C)

Specific gravity 0.763 - 0.843

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability** Stable at normal conditions.  
**Possibility of hazardous reactions** Hazardous polymerization does not occur.  
**Conditions to avoid** None known.  
**Incompatible materials** Strong acids. Powerful oxidizers.  
**Hazardous decomposition products** To avoid thermal decomposition, do not overheat.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** No adverse effects due to inhalation are expected.  
**Skin contact** May cause an allergic skin reaction.  
**Eye contact** Not classified.  
**Ingestion** May be fatal if swallowed and enters airways.

**Symptoms related to the physical, chemical and toxicological characteristics** May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

### Information on toxicological effects

**Acute toxicity** Not classified.

Product	Species	Test Results
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Master STAGES™ RPO 6BF

#### Acute

##### **Dermal**

LD50	Rabbit	> 2000 mg/kg
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##### **Inhalation**

LC50	Rat	> 202, mg/l
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##### **Oral**

LD50	Rat	> 5000 mg/kg
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**Skin corrosion/irritation** Not classified.

**Serious eye damage/eye irritation** Not classified.

### Respiratory or skin sensitization

**Respiratory sensitization** Classification not possible. Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Classification not possible.

**Specific target organ toxicity - repeated exposure** Classification not possible.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** None known.

## 12. Ecological information

**Ecotoxicity** Not available.

<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Follow precautions for safe handling described in this safety data sheet.

### 14. Transport information

#### DOT

<b>UN number</b>	NA1993
<b>UN proper shipping name</b>	COMBUSTIBLE LIQUID, N.O.S. (HYDROCARBONS)
<b>Transport hazard class(es)</b>	
<b>Class</b>	Combustible Liquid
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	Not regulated in containers <119 gallons

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

#### DOT



### 15. Regulatory information

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
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#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

#### SARA 313 (TRI reporting)

Not regulated.

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

## US state regulations

### US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 08-14-2015

**Revision date** 08-28-2017

**Version #** 02

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Master Chemical Corp d/b/a Master Fluid Solutions cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

### Revision information

Identification: Recommended restrictions  
Composition / Information on Ingredients: Ingredients  
First-aid measures: Ingestion  
Fire-fighting measures: Suitable extinguishing media  
Exposure controls/personal protection: Appropriate engineering controls  
Toxicological Information: Toxicological Data  
Toxicological information: Eye contact  
Ecological Information: Ecotoxicity  
Ecological information: Ecotoxicity  
Transport Information: Material Transportation Information  
HazReg Data: North America  
GHS: Classification