

# MATERIAL SAFETY DATA SHEET

Rev. 01 Revised date: 18/07/2018

## 1. PRODUCT NAME AND IDENTIFICATION

**Product Name:** JCP 213 MOTOR.CURCUIT AEROSOL  
**Chemical Name & Synonyms:** N/A  
**CAS Number:** N/A, Mixture  
**Company Name:** JCP GROUP (THAILAND) CO., LTD.  
**Tel & Fax:** +(66)34-412-824 **Emergency:** +(66)85-105-6034

## 2. HAZARDS IDENTIFICATION

**Color** Colorless      **Physical State** Liquid      **Odor** Solvent

### GHS

#### Classification

##### Physical Hazards

Flammable liquids      Category 4

##### Health Hazard

Aspiration Toxicity	Category 1
Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 5
Acute Inhalation Toxicity - Gas	Category 3
Acute Inhalation Toxicity - Vapors	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Germ Cell Mutagenicity	Category 1A
Carcinogenicity	Category 1B
Specific target organ systemic toxicity (repeated exposure)	Category 1
Acute Aquatic Toxicity	Category 2
Chronic Aquatic Toxicity	Category 2

##### Other hazards

None

### Labeling

#### Signal Word

DANGER



### Hazard Statements

H227 - Combustible liquid  
H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H313 - May be harmful in contact with skin

- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H331 - Toxic if inhaled
- H340 - May cause genetic defects
- H350 - May cause cancer
- H372 - Causes damage to organs through prolonged or repeated exposure
- H411 - Toxic to aquatic life with long lasting effects
- H420 - Harms public health and the environment by destroying ozone in the upper atmosphere

### **Precautionary Statements**

- P201 - Obtain special instructions before use
- P210 - Keep away from heat, sparks, open flames or hot surfaces.
- P260 - Do not breathe gas/vapor/mist
- P261 - Avoid breathing gas/vapor/mist
- P264 - Wash face, hands and any exposed skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product
- P271 - Use in a well-ventilated area.
- P273 - Avoid release to the environment
- P280 - Wear protective gloves, protective clothing and eye protection.
- P281 - Use personal protective equipment as required
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P403 + P235 - Store in a well-ventilated place. Keep cool
- P202 - Do not handle until all safety precautions have been read and understood
- P311 - Call a POISON CENTER or doctor/physician.
- P312 - Call a physician if unwell.
- P314 - Get medical attention/advice if you feel unwell
- P321 - Specific treatment (see supplemental first aid instructions on this label)
- P330 - Rinse mouth
- P331 - DO NOT induce vomiting
- P362 - Take off contaminated clothing and wash before reuse
- P301+ P310 - IF SWALLOWED: Immediately call a physician
- P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
- P301+ P312 - IF SWALLOWED: Call a physician if unwell
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
- P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P313 - IF exposed or concerned, get medical attention
- P332 + P313 - If skin irritation occurs, get medical attention.
- P337 + P313 - If eye irritation persists, get medical attention.
- P370 + P378 - In case of fire: use water, alcohol foam, dry chemical or carbon dioxide for extinction
- P405 - Store locked up
- P501 - Dispose of contents/container in accordance with applicable regulations.
- P501 - Dispose of contents and container to an approved waste disposal plant.
- P391 - Collect spillage
- P502 - Refer to manufacturer/supplier for information on recovery/recycling

0.01 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	% by Wt.	OSHA TWA (ppm)	ACGIH-TWA (ppm)
TETRACHLORINATED FLUID	127-18-4	15-40%	N/A	N/A
PRIMARY CHLOROGENATED HYDROCARBON	75-09-2	10-30 %	N/A	N/A
ALPHATIC HYDROCARBON	64742-47-8	10-30 %	N/A	N/A
MEDIUM ALIPHATIC SOLVENT NAPHTHA	64742-88-7	10-30 %	N/A	N/A

### 4. FIRST AID MEASURES

**General Advice:** Avoid contact with skin, eyes and clothing. Show this safety data sheet to the doctor in attendance.

**Eye Contact:** Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

**Skin Contact:** Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

**Inhalation:** If inhaled, remove to fresh air. Get medical attention if symptoms occur.

**Ingestion:** Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**Notes to Physician:** Aspiration hazard if swallowed - can enter lungs and cause damage.

### 5. FIRE FIGHTING MEASURES

**Flash Point** >172 °F **Method** N/A

**Autoignition Temperature** N/A

**Flammability Limits in Air Mixture** Upper 7.0 Lower 0.7

**Suitable Extinguishing Media** Water spray. Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Specific Hazards Arising from the Chemical** Solvent vapors are heavier than air and may spread along floors . Vapors may ignite and explode. Material can create slippery conditions. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA** Health 2 Flammability 2 Instability 0

**HMIS** Health 2 Flammability 2 Instability 0

### 6. ACCIDENTAL RELEASE (SPILL MEASURES)

**Personal Precautions** Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.

**Environmental Precautions** Do not flush into surface water or sanitary sewer system.

**Methods for Containment** Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)

<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labelled containers. Never return spills in original containers for re-use.
<b>Neutralizing Agent</b>	Not applicable

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.			
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep in properly labelled containers.			
<b>Storage Temperature</b>	<b>Minimum</b> 35°F / 2°C	<b>Maximum</b> 120°F / 49°C		
<b>Storage Conditions</b>	<b>Indoor X</b>	<b>Outdoor</b>	<b>Heated</b>	<b>Refrigerated</b>

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Measures</b>	Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	For prolonged or repeated contact use protective gloves.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>General Hygiene Considerations</b>	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES (Typical)

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Colorless	<b>Odor</b>	N/A
<b>Appearance</b>	Transparent	<b>pH</b>	N/A
<b>Specific Gravity</b>	1.03	<b>Bulk Density</b>	N/A
<b>Evaporation Rate</b>	N/A	<b>Percent Volatile (Volume)</b>	100
<b>VOC Content (%)</b>	N/A	<b>Vapor Pressure</b>	88.43 mmHg
<b>Vapor Density</b>	3.1	<b>Solubility</b>	Negligible
<b>Boiling Point/Range</b>	104 °F		

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur .
<b>Conditions to Avoid</b>	Heat, flames, and sparks.
<b>Incompatible Products</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**LD50 Oral Rat** 1600 mg/kg (Rat)

**LC50 Inhalation Rat** 52 g/m<sup>3</sup>

### Chronic Toxicity

**Mutagenicity** The possibility of an embryotoxic effect has not yet been fully assessed.

**Sensitization** no data available

**Developmental Toxicity** no data available

**Reproductive Toxicity** no data available

**Target Organ Effects** CNS

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

**ACGIH** not applicable

**IARC** not applicable

**NTP** not applicable

**OSHA** not applicable

**Other** not applicable

## 12. ECOLOGICAL INFORMATION

N/A

## 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of as hazardous waste in compliance with local and national regulations

**Container Disposal** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

### Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE Class 6.1 Number and Letter 15c

ADR/RID Class 6.1 Number and Letter 15c

Name of material: 1593 DICHLOROMETHANE

River transport AND/ADNR

Not examine

Sea transport IMDG

IMDG Class 6.1 UN-No. 1593 Package group III

EMS 6.1 - 02 MFAG 340

Correct technical name DICHLOROMETHANE

Air transport ICAO-TI and IATA-DGR

ICAO/IATA class 6.1 UN/IO-No. 1593 Package group III

Correct technical name DICHLOROMETHANE

The transport regulations are cited according to international regulations and in the form applicable in Germany (GGV/GGVE). Possible national deviations in other countries are not considered.

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## 15. REGULATORY INFORMATION

### Labelling according to EC Directives

Symbol:	Xn	Harmful immediately and show this container or label
R-phases	R 40	Possible risk of irreversible effects
S-phases	S 23.2 – 24/25 – 36/37	Do not breath vapor. Avoid contact with skin and eyes. Wear suitable Protective.
EC -No.	200-838-9	EC Label

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## 16. OTHER INFORMATION

The above information is based on data available to us and is believed to be correct. However, no warranty, merchantability, fitness for any use or any other warranty is expressed or to be implied regarding the accuracy of these data, the result to be obtained from the use thereof, the hazards connected with the use of the material, or that any such use will not infringe any patent. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility resulting from its use. This information is furnished upon the condition that the person receiving it shall make his own determination for the suitability of the material for his particular purposes.

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