

Page: 1 of 7

# KITAGAWA IRON WORKS CO., LTD. Material Safety Data Sheet

Revision Date : 2013/03/21 MSDS No : 04085496

MA0655PHG1

## **CHUCK GREASE PRO**

# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** 

: CHUCK GREASE PRO

**Company Name** 

: KITAGAWA IRON WORKS CO., LTD.

Address

726-8610,77-1 Motomachi, Fuchu-city, Hiroshima-pref.,JAPAN

Phone Number

: 0847-40-0529

**Product Code** 

: 04085496

**Emergency Telephone** 

: 0847-40-0533(Quality Control Section)

Number

### 2. HAZARDS IDENTIFICATION

**GHS Classification** 

: Specific target organ toxicity - repeated exposure (oral): Category 2 (kidney)

**GHS Label Elements** 

Pictogram or Symbol

Signal Word

Warning

**Hazard Risk Statement** 

May cause damage to organs (kidney) through prolonged or repeated exposure if

swallowed.

**Precautionary Statement** 

Prevention

: Avoid contact with skin and eyes.

Use only outdoors or in a well-ventilated area.

Response

In case of fire and/or explosion do not breathe fumes.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention/advice if you feel unwell.

Storage

Not applicable.

Disposal

Dispose of in accordance with local regulations.

Other Hazard

: None known.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization

Mixture

Generic Name

Inorganic and organic compounds in mineral oil

**Ingredients and Contents** 

ingleatenes and Contents						
CAS	<b>ENCS</b>	<b>Chemical</b>	Wt %	Component Name	GHS Classification	
Number	Number	<u>formula</u>				
64742-54-7	(9)-1692	-	50 - 60	Hydrotreated heavy paraffinic petroleum distillate	- 	
37640-57-6	(5)- 1024/(5)- 1038	-	10 - 20	Melamine cyanurate	Acute toxicity (Oral): Category 5 Specific target organ toxicity - repeated exposure (Oral): Category 2 (kidney)	
13463-67-7	(1)-558	TiO2	1 - 10	Titanium dioxide	<del>-</del>	
68412-26-0	(2)-2183	-	1 - 10	Molybdenum compound		
Comments	:	This product	contains the	above chemical(s) listed by J	Japanese regulations and/or classified and	

### 4. FIRST AID MEASURES

In Case of Inhalation

: No first aid should be needed.

containing not less than cut-off value by GHS.



Page: 2 of 7

# KITAGAWA IRON WORKS CO., LTD. Material Safety Data Sheet

Revision Date : 2013/03/21 MSDS No: 04085496

MA0655PHG1

### CHUCK GREASE PRO

In Case of Skin Contact In Case of Eye Contact

: Wash off with soap and water. : Immediately flush with water.

In Case of Ingestion

Get medical attention.

**Comments** 

Treat according to person's condition and specifics of exposure.

Possible Acute and Chronic Health Effect:

**Acute** 

Eyes Skin Direct contact may cause temporary redness and discomfort. No significant irritation expected from a single short-term exposure. No significant effects expected from a single short-term exposure.

Low ingestion hazard in normal use.

Chronic

Skin

Repeated or prolonged contact may cause defatting and drying of skin which may result

in skin irritation and dermatitis.

Inhalation Ingestion

Inhalation

Ingestion

No known applicable information.

Other Health Hazard

Overexposure by ingestion may injure the following organ(s): kidney. Inhalation of fumes from fire decomposition of polytetrafluoroethylene (Teflon) is

Information

known to cause polymer fume fever.

Important Symptoms and

**Hazard Effects** 

No significant adverse effects from normal use.

**Personal Protection for First** Aid or Rescue Personnel

No respiratory protection should be needed. Use proper protection - safety glasses as a minimum. Washing at mealtime and end of shift is adequate.

Note to physicians

Treat symptomatically. For further information, the medical practitioner should contact

KITAGAWA IRON WORKS CO., LTD.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing Media** 

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

Unsuitable Extinguishing

Media

None established.

Specific Hazards during Fire

None.

**Specific Fire Fighting** 

Determine the need to evacuate or isolate the area according to your local emergency

plan. Use water spray to keep fire exposed containers cool.

Protection for Fire-fighter

Self-contained breathing apparatus and protective clothing should be worn in fighting

large fires involving chemicals.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and **Emergency Procedures** 

Avoid skin and eye contact. Do not take internally. Please refer to section 8 Protective equipment.

**Environmental Precautions** Recovery and Neutralization/

Do not allow large quantities to enter drains or surface waters.

Methods and Materials for Containment and Cleaning up Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Wipe up or scrape up and contain for salvage or disposal. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

### 7. HANDLING AND STORAGE



Page: 3 of 7

# KITAGAWA IRON WORKS CO., LTD. Material Safety Data Sheet

Revision Date : 2013/03/21 MSDS No: 04085496

MA0655PHG1

# **CHUCK GREASE PRO**

Handling

**Technical Measures** : Use with adequate ventilation. At temperatures above 482 degrees F/250 degrees C, this

> material may produce highly toxic gaseous compounds such as hydrogen fluoride and perfluorohydrocarbons. Provide adequate ventilation or use the appropriate respiratory protection, if the possibility of exceeding 482 degrees F/250 degrees C exists. Avoid contamination of tobacco products. Fluoropolymers on tabacco goods may cause adverse health effects by inhalation of the decomposition products. Employees should

wash their hands and face before eating, drinking or using tobacco products.

Local and General

Ventilation

Please refer to section 8 Ventilation.

**Precautions** 

Safe Handling Advice

Avoid skin and eye contact. Do not take internally.

Exercise good industrial hygiene practice. Wash after handling, especially before eating,

drinking or smoking.

**Avoidance of Contact** 

Please refer to section 10 Conditions to Avoid and Materials to Avoid.

Storage

Technical Measures and

**Storage Conditions** 

Use reasonable care and store away from oxidizing materials.

**Packaging Material** 

: None established.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# Concentration Control Notification #79 from Ministry of Labor

None known

**Industrial Hygiene Standards** 

Component Name Hydrotreated heavy paraffinic petroleum

distillate

Observe oil mist limits. OSHA PEL (final rule) and ACGIH TLV: TWA 5 mg/m3; ACGIH STEL 10 mg/m3.

Titanium dioxide

Molybdenum compound

Japan Association on Industrial Health Guideline (2007): TWA 1 mg/m3 Respirable dust. TWA 4 mg/m3 Total

Observe titanium dioxide limits. OSHA PEL (final rule): TWA 15 mg/m3 and ACGIH TLV: TWA 10 mg/m3. OSHA PEL, as molybdenum: TWA 15 mg/m3 total dust, 5 mg/m3 respirable fraction. ACGIH TLV, as

molybdenum: TWA 10 mg/m3.

**Engineering Measures** 

**Local Ventilation** 

None should be needed.

**General Ventilation** 

Recommended. **Personal Protective Equipment** 

Personal Protective Equipment for Routine Handling : No respiratory protection should be needed.

Respiratory protection

Suitable Respirator

None should be needed.

Hand protection

Chemical protective gloves should be worn where repeated or prolonged contact can

Eye protection

Use proper protection - safety glasses as a minimum.

Skin protection

Washing at mealtime and end of shift is adequate.

**Hygiene Measures** 

Exercise good industrial hygiene practice. Wash after handling, especially before eating,

drinking or smoking.

Personal Protective Equipment for Spills

Respiratory

: No respiratory protection should be needed.

protection

Eye protection

Use proper protection - safety glasses as a minimum. Skin protection Washing at mealtime and end of shift is adequate.

**Precautionary Measures** 

: Avoid skin and eye contact. Do not take internally. Use reasonable care.

**Comments** 

: At temperatures above 482 degrees F/250 degrees C, this material may produce highly

toxic gaseous compounds such as hydrogen fluoride and perfluorohydrocarbons.



Page: 4 of 7

# KITAGAWA IRON WORKS CO., LTD. Material Safety Data Sheet

Revision Date : 2013/03/21 MSDS No: 04085496

MA0655PHG1

### **CHUCK GREASE PRO**

Provide adequate ventilation or use the appropriate respiratory protection, if the possibility of exceeding 482 degrees F/250 degrees C exists. Avoid contamination of tobacco products. Fluoropolymers on tabacco goods may cause adverse health effects by inhalation of the decomposition products. Employees should wash their hands and face before eating, drinking or using tobacco products.

Note

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** 

Form

Paste

Color

White to light yellow

Odour

Some odor

pН

Not determined.

Melting point/Freezing Point

Not determined.

**Boiling point, Initial Boiling** 

Not determined.

Point, and Boiling Range

Flash Point

> 200 °C(Cleveland Open Cup)

**Characteristics of Explosives** Vapor Pressure @ 25°C Vapor Density(air=1)

Not determined. Not determined. Not determined. 1.12 g/cm3

**Specific Gravity Solubility** Octanol/water partition **Autoignition Temperature** 

Not determined. Not determined. Not determined.

**Decomposition Temperature Odour Threshold** 

Not determined. Not determined. Not determined.

**Evaporation Rate** Flammability (solid, gas)

Not applicable. : Not determined.

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

#### 10. STABILITY AND REACTIVITY

Stability

Stable

Possibility of Hazardous

: Hazardous polymerization will not occur.

Reactions

**Products** 

Conditions to Avoid

None.

Materials to Avoid

Can react with strong oxidising agents.

**Hazardous Decomposition** 

Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

Nitrogen oxides. Fluorine compounds. Metal oxides. Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity** 

Component Name Melamine cyanurate

**Acute Toxicity** 

LD50: 2,500 mg/kg - Oral Rat

Skin Corrosion/Irritation

: Please refer to Section 3 and Section 4 Health Effect.

Serious Eye Damage/

Please refer to Section 3 and Section 4 Health Effect.

Irritation

**Respiratory Organs** 

: Please refer to Section 3 and Section 4 Health Effect.

Sensitization or Skin



Page: 5 of 7

# KITAGAWA IRON WORKS CO., LTD. Material Safety Data Sheet

Revision Date : 2013/03/21 MSDS No: 04085496

MA0655PHG1

## CHUCK GREASE PRO

Sensitization

Germ Cell Mutagenicity

: Please refer to Section 3, Section 4 Health Effect and Section 15 ISHL Mutagen

Substance.

Carcinogenicity

Please refer to Section 3, Section 4 Health Effect and Section 15 ISHL Carcinogen

Substance

Reproductive Toxicity

Specific Target Organ.

Please refer to Section 3 and Section 4 Health Effect. Please refer to Section 3 and Section 4 Health Effect.

**Systemic Toxicity (Single** 

Exposure)

Specific Target Organ.

: Please refer to Section 3 and Section 4 Health Effect.

Systemic Toxicity (Repeated

Exposure)

**Aspiration Hazard** 

: Please refer to Section 3 and Section 4 Health Effect.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

**Environmental Effects** 

Acute Chronic : No adverse effects on aquatic organisms are predicted. : No adverse effects on aquatic organisms are predicted.

Fate and Effects in

**Waste Water Treatment** 

**Plants** 

: No adverse effects on bacteria are predicted.

Persistence and Degradability

Water

: Solid material, insoluble in water.

**Bioaccumulative Potential** 

Bioaccumulation

: No bioaccumulation potential.

Mobility in Soil

This product is a solid and does not contain significant concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a

danger to terrestrial organisms.

Additional Environmental

Information

: No specific information is available.

# 13. DISPOSAL CONSIDERATIONS

Residual Waste

This product falls under Industrial Waste based on Wastes Disposal and Public

Cleansing Law. Dispose of in accordance with local regulations.

Contaminated Containers or

**Packaging** 

Dispose of in accordance with local regulations.

Note

: None.

## 14. TRANSPORT INFORMATION

**Local Regulations** 

: Refer to Section 15.

**International Regulations** 

Sea Transport (IMDG)

Not subject to IMDG code.

Air Transport (IATA)

Not subject to IATA regulations.

## 15. REGULATORY INFORMATION



Page: 6 of 7

# KITAGAWA IRON WORKS CO., LTD. Material Safety Data Sheet

Revision Date : 2013/03/21 MSDS No: 04085496

MA0655PHG1

## **CHUCK GREASE PRO**

Law Concerning Examination

and Regulation of

Manufacture, etc. of Chemical

**Substances** 

This product is not applied into the code about Specified Chemical Substances, Monitoring Chemical Substances and Priority Assessment Chemical Substances.

DESIGNATED FLAMMABLE SUBSTANCES, OTHER PLASTICS (3,000kg)

Industrial Safety and Health Law

Notification Substance	: <u>Specific</u> Number	Notification Component(s)	<u>Wt %</u>	
	168	Mineral oil	50 - 60	
	191	Titanium oxide	1 - 10	
	603	Molybdenum and its compounds	1 - 10	

**Indication Substance** 

**Ordinance on Prevention** 

of Organic Solvent

**Poisoning** 

**Ordinance on Prevention** 

of Hazards due to

**Specified Chemical** 

Substances

**Ordinance on Prevention** 

of Lead Poisoning

**Ordinance on Prevention** 

of Tetraalkyl Lead

**Poisoning** 

Hazardous Material **Banned Substance** 

Mutagen Substance Carcinogen Substance

High Pressure Gas Safe Law Fire Service Law

Poisonous and Deleterious **Substance Control Law** 

**Pollutant Release and Transfer** 

Register

**Marine Pollutant Prevention** 

Law **Chemical Inventories** 

**TSCA** 

**ENCS/ISHL** 

Not determined. All components are listed on ENCS/ISHL or its exempt rule.

: Not applicable.

: Not applicable.

: Not applicable.

: Not applicable

: Not applicable

: Not applicable.

: Not applicable : Not applicable.

: Not applicable.

: Not applicable.

: Not applicable.

: Not Classified as a Marine Pollutant

Not applicable.

Not determined.

**EINECS KECL** Not determined. DSL Not determined. **PICCS** Not determined.

AICS Not determined. **IECSC** Not determined.

## 16. OTHER INFORMATION

Bibliography: Statue book of chemicals, Internal Technical Data and others

These data are offered in good faith as typical values and not as product specifications. They are believed accurate as of the date of this Material Safety Data Sheet based on a review of current composition and information supplied by vendors. No warranty,



Page: 7 of 7

# KITAGAWA IRON WORKS CO., LTD. Material Safety Data Sheet

Revision Date : 2013/03/21 MSDS No : 04085496

MA0655PHG1

# **CHUCK GREASE PRO**

either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. This Product has been developed and manufactured for general industrial use. For medical use, or other uses where safety considerations may be required, you must in advance test and review the safety of your intended application. Moreover, this Product is not for human implant nor human injection, nor use for applications which may present risk of accumulating inside human bodies.

\*\*\*\*\* This is the last page. \*\*\*\*\*