Material Safety Data Sheet

SECTION1. CHEMICAL PRODUCT AND COMPANY INDENTIFICATION

COMPANY INDENTFICATION DAITO CO.,LTD

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PRODUCT NAME PALSTAR Moly Green Parts Cleaner

PRODUCT USE Aerosol

CREATION DATE: JULY.29.2014 REVISION DATE:

SECTION2. HAZARDS IDENTFICATION

GHS CLASSIFICATION

Physical Hazards : Flammable-Aerosols Category 1

: Flammable-Liquids Category 2

Health Hazards : Acute toxicity, oral Category -

Acute toxicity, dermalCategory-Acute toxicity, inhalationCategory-Skin corrosion/irritationCategory2Serious eye damage/eye irritationCategory2ASensitization, respiratoryCategory-

Sensitization, respiratory

Sensitization, skin

Germ cell mutagen city

Category

Category

Category

Category

Category

Category

Category

Category

A

Category

Category

A

Specific target organ toxicity, single exposure

Category2 (blood vessel)/ Category3 (anesthetizing, respiratory imitation)

Specific target organ toxicity, repeated exposure

Category1(peripheral nervous system, central nervous system, liver)

Aspiration hazard Category

Environmental Hazards : Hazardous to the aquatic environment, acute toxicity Category 2

Hazardous to the aquatic environment, chronic toxicity Category -

Hazards that aren't written as the above are "Can't classify" or "Off the subject".

Symbol







Signal Words

Danger

Hazard Statements : Extremely flammable aerosol

Highly flammable liquid and vapor

: Causes skin irritation

Causes serious eye irritation
May cause genetic defects

: May damage fertility or the unborn child: May cause damage to organs (blood vessel)

: May cause respiratory irritation

: Causes damage to organs (peripheral nervous system, central nervous

system, liver) through prolonged or repeated exposure

: May be fatal if swallowed and enters airways

Toxic to aquatic life

SECTION3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	mass (%)	Cas Number
Cyclohexane	1-10	110-82-7
Isohexane	50-60	107-83-5
(n-hexane)	(<5)	(110-54-3)
Ethanol	1-10	64-17-5
Carbon dioxide	<1	124-38-9
Aerosol propellant(LPG)		
: Propane	20-30	74-98-6
: n-Butane, i-Butane		106-97-8, 75-28-5

SECTION4. FIRST AID MEASURES

First Aid-Eye : Flush eye with copious quantities of water. If persistent irritation occurs, obtain

medical attention.

First Aid-inhalation : Inhalation of any vapors from this product is not likely to Present an acute hazard.

First Aid-Skin : Remove contaminated clothing and wash affected skin with Soap and water. If

persistent irritation occurs, obtain medical attention immediately.

First Aid-Ingestion : Remove the foreign objects from the mouth, and rinse mouth thoroughly with

water. Do not induce vomiting. Call a physician immediately.

Advice to physicians : The symptom may appear later.

Treat symptomatically and supportively.

SECTION5. FIRE FIGHTING MESURES

Specific hazards : Combustion products may include: carbon monoxide, Hydrogen chloride,

unidentified organic and inorganic compound.

Exposure of containers to extreme heat and flames can cause them to rupture

often with violent force.

Extinguishing media : Powder, Carbon dioxide, Foam, Dry chemical.

Prohibition extinguishing media : Water spray or stream

Protective equipment : Proper protective equipment including breathing apparatus must be worn when

approaching a fire in a confined space.

SECTION6. ACCIDENTAL RELEASE MEASURES

Personal precautions : If in doors, adequately ventilate until processing is complete.

Minimize contact with skin.

Environmental precautions : Do not discharge into drains and rivers etc. and prevent from environmental

pollution.

Remove method : Remove all ignition sources.

Small spillage If spilled from a container, wipe them off with cloth and store in an airtight

container that doesn't adhere to water, acid, or alkali etc.

SECTION7. HANDLING AND STRAGE

Handling : Avoid breathing of vapor; avoid contact with eyes, skin and clothing.

Keep away from ignition sources, use only electrically grounded handling

equipment and ensure adequate ventilation/fume exhaust hoods.

Do not eat, drink or smoke while handling.

Storage : Keep only in original container .Keep in a cool, dry, well-ventilated place. Avoid

direct sunlight, heat sources.

Keep away from ignition sources and incompatible materials: inorganic acids,

chlorinated compounds, strong oxidizers.

Variations in storage temperature should be minimized.

SECTION8. EXPOSURE CONTROLS PERSONAL PROTECTION

Chemical name	ACGHI(TLV-TWA)	ACGHI(TLV-STEAL)
Cyclohexane	100ppm	-
Isohexane	500ppm	1000ppm
n-hexane	50ppm	-
Ethanol	-	1000ppm
n-Butane	1000ppm	-
i-Butane	1000ppm	-

Facilities Measures Require the local exhaust ventilation in the working place.

Respiratory protection Use organic gas protection mask

Eye protection Use safety goggles. Use oil-proof glove. Hand protection

Skin protection Use antistatic working clothes.

SECTION9. PHYSICAL AND CHEMICAL PROPERTIES

[Cleaner]

Physical state Liquid Color Clear Solvent odor Odor

Melting point(Freezing point) -153.7deg C (Isohexane) Boiling point 62deg C (Isohexane) <-22deg C (Isohexane) Flash point Auto-ignition temp 280deg C (Isohexane) Flammable range 1.2 - 7.7vol(Isohexane)

0.66 - 0.79Density Solubility in water Negligible

[Aerosol propellant] **Propane Butane** Physical state, Color Colorless gas Colorless gas Odor Signature odor Signature odor -42.04deg C Boiling point -0.5 - 11.7deg C Melting point(Freezing point) -187.68deg C -138.4 - 159.6deg C Vapor pressure 0.75Pa(20deg C) 0.12-0.21kPa(20deg C) Flash point -90deg C

-72 - 81deg C 2.2 - 9.5vol% 1.8 - 8.5vol% Flamable range Vapor density 1.55(Air=1) 2.07(Air=1) 0.501 0.557-0.579 Density(liquid)(20deg C) Solubility in water Negligible Negligible 450deg C Auto-ignition temp >365deg C

SECTION10. STABILITY/REACTIVITY

Stability Stability under normal use.

Agitation and Flowage can cause electrostatic.

Sensitive for heat.

Hazardous decomposition

Gases generated by combustion, such as carbon monoxide, carbon dioxide, etc.

products

Propane: Carbon dioxide causes explosion

Butane :The mixture of nickel carbonyl and oxygen causes explosion

Condition to avoid Heat, flames and sparks

oxidizer (nitrate, chlorate, peroxide, perchlorate etc.), aluminum, alkali Incompatible materials

SECTION11. TOXILOGICAL INFORMATION

Chemical name	Acute toxicity, oral	Acute toxicity, inhalation	Acute toxicity, dermal
Cyclohexane	LD50 7730mg/kg(rat)	LC50 >9500ppm/4h(rat)	LD0 >2000mg/kg(rat)
Isohexane	LD50 5000mg/kg(rat)	-	-
n-hexane	LD50 15800mg/kg(rat)	LC50 135.46mg/L/4h(rat)	-
Ethanol	LD50 6.2g/kg(rat)	LC50 63000ppm/4h(rat)	-
n-Butane	-	LC50 277374ppm//7h(rat)	-
i-Butane	-	-	-

Toxicological information of product: We do not safety as the product

SECTION12. ECOLOGICAL INFORMATION

Acute hazards to the aquatic environment

Cyclohexane	Crustaceans	LC50 0.9mg/L/48H(Daphnia Magna)
n-hexane	Crustaceans	LC50 3.88mg/L/48H(Daphnia Magna)

Degradability : No Data Available
Bioaccumulation : No Data Available
Environment fate : No Data Available

SECTION13. DISPORSAL CONDITIONS

Precautions : See SECTION8.

Waste disposal : Follow local and national regulations. Consult disposal expert.

SECTION14. TRANSPORT INFORMATION

Identification Number : UN 1950 Hazard Class : 2.1

Name : AEROSOLS

Pile up carefully so that containers won't fall and be damaged.

Cover the container to keep away from direct sunlight and protect from rain penetration.

Carry product with great care not to cause friction and vibration remarkably.

Follow all rules and regulations.

SECTION15. REGULATORY INFORMATION

Ensure this material is on compliance with federal requirements and ensure it is conformity to local regulations.

SECTION16. OTHER INFORMATION

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