

Issuing Date Jan-27-2020

Revision Date Jan-27-2020

Revision Number 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name MATCH LIME
Product Code(s) A01010599004

Manufacturer

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+65-3158-1074 / +81-3-4578-9341
Number for non-emergency questions concerning SDS
+81-6-6202-8944 / +81-72-832-0161

Recommended Use Buffing compound

Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Specific target organ toxicity (single exposure)	Category 3
Category 3 Respiratory irritation.	
Specific target organ toxicity (repeated exposure)	Category 1
Category 1 lungs [by inhalation].	

Label elements



Signal word Danger

Hazard statements

H335 - May cause respiratory irritation
H372 - Causes damage to organs through prolonged or repeated exposure

Causes damage to the following organs:

H372 - Causes damage to the following organs through prolonged or repeated exposure if inhaled: lungs [by inhalation].

Precautionary Statements

P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER or doctor if you feel unwell

P314 - Get medical advice/attention if you feel unwell
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant

Other Information

Hazards not otherwise classified (HNOC) Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture Mixture

Chemical name	Weight-%	ENCS	ISHL No	CAS No.
Aluminum oxide	51.8	(1)-23	Present (From ENCS)	1344-28-1
Carbonate	25.0	Listed	Listed	-
Fatty acid	16.9	Not Listed	Not Listed	-
Metal soap	3.5	Listed	Listed	-
Paraffin waxes and Hydrocarbon waxes	1.9	(8)-430,(8)-414,(2)-10	Present (From ENCS)	8002-74-2
Rosin	0.9	Not Listed	Present (From ENCS)	8050-09-7

Industrial Safety and Health Law

SECTION	Chemical Name in Regulation	Ordinance Number	Content Rate-%
Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57, Para.1, Enforcement Order Art.18 Item 1, Item 2, Attached Table No.9)	Paraffin wax	170	1 - 10
Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57, Para.1, Enforcement Order Art.18 Item 1, Item 2, Attached Table No.9)	Aluminum oxide	189	50 - 60
Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Item 1, Item 2, Attached Table No.9)	Paraffin wax	170	1 - 10
Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Item 1, Item 2, Attached Table No.9)	Aluminum oxide	189	50 - 60
Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Item 1, Item 2, Attached Table No.9)	Rosin	632	<1

Section 4: FIRST AID MEASURES

Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Skin contact	Wash off immediately with plenty of water. Consult a physician if necessary.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Most important symptoms and	No information available.

effects, both acute and delayed

Self-protection of the first aider No information available.

Note to physicians No information available.

Section 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Special Extinguishing Media No information available.

Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Pick up and transfer to properly labeled containers. Following product recovery, flush area with water.

Other Information Refer to protective measures listed in Sections 7 and 8.

Section 7: HANDLING AND STORAGE

Handling

Technical measures Ensure adequate ventilation, especially in confined areas.

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

Contact avoidance No information available.

Storage

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Store in accordance with the particular national regulations. Store locked up.

Packaging materials No information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical name	Japan	ISHL Working Environmental Evaluation Standards - Administrative Control Levels	ACGIH TLV
Aluminum oxide 1344-28-1	TWA: 2 mg/m ³ TWA: 0.5 mg/m ³	-	TWA: 1 mg/m ³ respirable particulate matter
Carbonate	TWA: 2 mg/m ³ TWA: 8 mg/m ³	-	-

	TWA: 1 mg/m ³ TWA: 4 mg/m ³		
Metal soap	-	-	TWA: 10 mg/m ³ inhalable particulate matter except stearates of toxic metals TWA: 3 mg/m ³ respirable particulate matter except stearates of toxic metals
Paraffin waxes and Hydrocarbon waxes 8002-74-2	-	-	TWA: 2 mg/m ³ fume

Appropriate engineering controls Apply technical measures to comply with the occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Respiratory protection Use appropriate respiratory protection.

Hand Protection Rubber gloves.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear suitable protective clothing.

General hygiene considerations Wear suitable gloves and eye/face protection. Wash thoroughly after handling. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	Solid
Odor	No information available
Color	light yellow
Odor threshold	No information available
pH	No information available
pH (as aqueous solution)	No information available
Melting point / freezing point	No information available
Boiling point / boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity / density	No information available
Water solubility	No information available
Solubility(ies)	Insoluble in water @ 25 °C
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Other Information	
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available

Liquid Density No information available
Bulk density No information available

Section 10: STABILITY AND REACTIVITY

Reactivity No information available.
Stability Stable in storage and handling in accordance with laws.
Possibility of hazardous reactions Reacts with strong oxidizing agents.
Conditions to avoid High temperature.
Incompatible materials Strong oxidizing agents.
Hazardous decomposition products No information available.

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information

LD50/Oral 5,319.50 mg/kg
 LD50/Dermal 33,503.20 mg/kg
 Gas No information available
 Dust/Mist No information available
 Vapor No information available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Aluminum oxide	> 5000 mg/kg (Rat)	-	-
Carbonate	= 6450 mg/kg (Rat)	-	-
Metal soap	> 10 g/kg (Rat)	-	-
Paraffin waxes and Hydrocarbon waxes	> 5000 mg/kg (Rat)	> 3600 mg/kg (Rabbit)	-
Rosin	= 7600 mg/kg (Rat) = 4000 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	-

Skin corrosion/irritation No information available

Serious eye damage/eye irritation No information available

Sensitization No information available

Respiratory or skin sensitization No information available

Germ cell mutagenicity No information available

Carcinogenicity

Product Information No information available.
 Component Information No information available

Reproductive toxicity No information available

STOT - single exposure May cause respiratory irritation

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure

Aspiration hazard No information available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Product Information No information available
 Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Rosin	400: 72 h Desmodesmus subspicatus mg/L EC50	-	3.8 - 5.4: 48 h Daphnia magna mg/L EC50

Persistence and degradability No data available

Bioaccumulative potential
 Product Information There is no data for this product

Component Information No information available

Mobility in soil No information available

Hazard to the ozone layer No information available

Other adverse effects No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products Dispose of waste in accordance with environmental legislation.

Contaminated packaging Dispose of in accordance with federal, state and local regulations. Dispose of wastes in an approved waste disposal facility.

Section 14: TRANSPORT INFORMATION

IMDG Not regulated
Marine pollutant Not applicable

ICAO (air) Not regulated

ADR Not regulated

IATA Not regulated

National Regulations

Section 15: REGULATORY INFORMATION

Industrial Safety and Health Law Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57, Para.1, Enforcement Order Art.18 Item 1, Item 2, Attached Table No.9)
 Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Item 1, Item 2, Attached Table No.9)

Water Pollution Control Act Designated Chemical Substances (Law Article 2, Paragraph 4, Enforcement Order Article 3-3)

Labor Standards Act Carcinogens (Act Art.75, Para.2, Ordinance Attached Table 1-2, Item 7)

Foreign Exchange and Foreign Trade Act Export Trade Control Order, Attached Table 1 Para.16 (2)

Section 16: OTHER INFORMATION

Revision Date Jan-27-2020**Revision Note** No information available.**Reference Sources for Section 11**

ACGIH - Threshold Limit Values

U.S. - OSHA - Final PELs

Japan - Recommended Exposure Limits

Japan - ISHL Working Environment Evaluation Standards - Administrative Control Levels

IARC

Disclaimer

This SDS complies with the requirements of JIS Z 7253:2012 (Japan). 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.