

24000-1001

**SAFETY DATA SHEET**

<b>Issuing Date</b>	9/1/2019	<b>Revision Date</b>	9/1/2019	<b>Revision Number</b>	
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**1. IDENTIFICATION**

<b>Product Identifier</b>	
<b>Product Name</b>	NP55, NP55K, NP56J, NP60J
<b>Other means of identification</b>	
<b>Synonyms</b>	NONE
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended use</b>	Adhesive
<b>Uses advised against</b>	
<b>Details of the supplier of the safety data sheet</b>	
<b>Supplier Name</b>	Yasutomo
<b>Supplier Address</b>	3740 Skypark Dr Torrance CA 90505 310-791-1995
<b>Supplier Phone Number</b>	
<b>Supplier Email</b>	<a href="mailto:csr@yasutomo.com">csr@yasutomo.com</a>
<b>Emergency telephone number</b>	911

**2. HAZARDS IDENTIFICATION****Classification****GHS Label elements, including precautionary statements****Emergency Overview**

<b>Signal word</b>	Warning!
<b>Hazard Statements</b>	
<b>Appearance</b>	White
<b>Physical State</b>	Semi-viscous
<b>Odor</b>	

**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazard not otherwise classified (HNOC)**

NA

**Unknown Toxicity**

None

**Other information**

No information available

**Interactions with Other Chemicals**

NA

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trad
Sodium Benzoate	532-32-1	1-5%	
Aluminum Sulfate	10043-01-3	>1%	
Water	7732-18-5	75-80%	

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

**Eye Contact** Rinse thoroughly with plenty of water. If symptoms persist, call a physician.  
**Skin Contact** Wash with soap and water.  
**Inhalation** Remove to fresh air.  
**Ingestion** Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious p

**Most important symptoms and effects, both acute and delayed**

**Most important symptoms and effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

It may not be obvious that carbon black is burning unless the material is stirred and sparks are apparent.

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and f

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with eyes. Wet carbon black produces slippery walking surfaces.

**Other information** Refer to protective measures listed in Sections 7 and 8

**Environmental Precautions**

**Environmental Precautions** Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Clean up promptly by vacuum. HEPA filtration is recommended.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or not breathe dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing a reuse.

**Conditions for safe storage, including any incompatibilities****Storage** Keep container tightly closed in a cool, dry, well-ventilated area.**Incompatible products** Strong oxidizing agents.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIO
Aluminum Sulfate 10043-01-3	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 3.5 mg/m <sup>3</sup> respirable fraction	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limit Immediately Dangerous to Life or Health

**Other Exposure Guidelines**

NA

**Appropriate engineering controls****Engineering Measures** Ventilation systems**Individual protection measures, such as personal protective equipment****Eye/Face Protection** Wear safety glasses with shields. Goggles.**Skin and Body Protection** Wear protective gloves and protective clothing.**Respiratory Protection** Wear Air-Purifying Respirator if exposure exceeds occupational exposure limit. Respirators should be NIOSH/OSHA approved.**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, or smoke when using this product. Wash hands before breaks and immediately after handling the product.**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical State** Semi-viscous**Appearance** White**Color** No information available**Odor** None**Odor Threshold** NA**Property****Values****Remarks Method**

<b>pH</b>	No data available	None known
<b>Melting/Freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation Rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit</b>	No data available	
<b>Lower flammability limit</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Specific Gravity</b>	No data available	None known
<b>Water Solubility</b>	Insoluble	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient:</b>	No data available	None known
<b>Autoignition temperature</b>	>140 C	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No data available	
<b>Oxidizing Properties</b>	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	

**10. STABILITY AND REACTIVITY****Reactivity**

May react exothermically upon contact with strong oxidizers.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Do not expose to temperatures above 300 C. Keep away from oxidizing agents.

**Incompatible materials**

Strong Oxidizers such as chlorates, bromates, and nitrates.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye Contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Water 7732-18-5	> 90 ml/kg (Rat)	—	
Aluminum Sulfate 10043-01-3	> 6207 mg/kg (mouse)	—	
Sodium Benzoate 532-32-1	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 2069

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** No information available.

**Reproductive Toxicity** No information available

**STOT - single exposure** No information available

**STOT - repeated exposure** No information available

**Chronic Toxicity** No information available

**Target Organ Effects** No information available

**Aspiration Hazard** No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia N F
Sodium Benzoate 532-32-1	EC50: > 30.5 mg/L 72h (Pseudokitchneriella subcapitata)	LC50: > 484 mg/L 96 hr (Fathead Minnow)		96h LC50

**Persistence and Degradability**

Not expected to degrade

**Bioaccumulation**

Not expected due to physicochemical properties of the substance

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Disposal methods** Dispose of contents/containers in accordance with local regulations.

**Contaminated Packaging**

Do not reuse empty containers.

**14. TRANSPORT INFORMATION**

<b>DOT</b>	Not Regulated
<b>TDG</b>	Not Regulated
<b>MEX</b>	Not Regulated
<b>ICAO</b>	Not Regulated
<b>IATA</b>	Not Regulated
<b>IMDG/IMO</b>	Not Regulated
<b>RID</b>	Not Regulated
<b>ADR</b>	Not Regulated
<b>AND</b>	Not Regulated

**15. REGULATORY INFORMATION****International Inventories**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, pertaining to release of this material.

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	<b>3</b>	<b>Flammability</b>	<b>0</b>	<b>Instability</b>	<b>0</b>	<b>Physical and Chemical Ha:</b>
<b>HMIS</b>	<b>Health Hazards</b>	<b>1*</b>	<b>Flammability</b>	<b>0</b>	<b>Physical Hazard</b>	<b>0</b>	<b>Personal Pro</b>

**X**

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

**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 gives 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 is specific to the 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.*

**End of Safety Data Sheet**

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<b>ppm (Rat)</b>



<b>Alga (Water -leak)</b>
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