

MATERIAL SAFETY DATA SHEET

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
IDENTIFICATION OF SUBSTANCE	N-Iodosuccinimide
SYNONYM	NIS; 1-Iodo-2,5-pyrrolidinedione; Succiniodimide
NAME OF THE MANUFACTURER/ SUPPLIER	OMKAR SPECIALITY CHEMICALS LTD.
ADDRESS FOR CORRESPONDENCE	F - 24, Unit- II, MIDC, Badlapur (E), Dist.Thane - 421503 State: Maharashtra (India)
TEL.NO.:	91-251-2691852
FAX NO.:	91-251-2697673

SECTION 2 : COMPOSITION AND INFORMATION ON INGREDIENT	
CHEMICAL NAME	N-Iodosuccinimide
CAS NO.	516-12-1
Percent	98

SECTION 3 : HAZARD IDENTIFICATION	
APPEARANCE	Pale yellow to tan crystalline powder
EMERGENCY OVERVIEW	harmful if swallowed / Moisture sensitive.
HMIS / NFPA RATING	Health - 2, Flammability - 0, Reactivity - 1

POTENTIAL HEALTH EFFECTS	
EYE	Irritating to eyes
SKIN	Irritating to skin
INHALATION	Irritating to respiratory system
INGESTION	Irritating & harmful if swallowed

SECTION 4 : FIRST-AID MEASURES

EYE	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lift lower eyelids. Get medical aid.
SKIN	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing clothing and shoes. Wash clothing before reuse.
INHALATION	Remove from exposure and move to fresh air immediately. If not breathing, give artificial breathing if difficult, give oxygen. Get medical aid.
INGESTION	Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Always seek medical aid immediately. Consult nearest poison control centre or physician; who is familiar with chemicals and its after effects. Treat by an experienced physician.

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SECTION 5 : FIRE – FIGHTING MEASURES

GENERAL INFORMATION	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
EXTINGUISHING MEDIA	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
FLASH POINT °C	NOT APPLICABLE
AUTOIGNITION TEMPERATURE °C	NOT APPLICABLE
EXPLOSION LIMITS (LOWER / UPPER)	NOT APPLICABLE

SECTION 6 : ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION	Use proper personal protective equipment as indicated in Section 8
SPILLS/LEAK	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

SECTION 7 : HANDLING & STORAGE

HANDLING	Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Store protected from light. Do not allow contact with water. Wash clothing before reuse. Keep from contact with moist air and steam.
STORAGE	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.. Store protected from moisture. Store protected from light.

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SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
N-Iodosuccinimide	none listed	none listed	none listed

OSHA Vacated PELs: N-Iodosuccinimide: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

SECTION 9 : PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	:	Pale yellow to tan crystalline
MOLECULAR FORMULA	:	C ₄ H ₄ INO ₂
MOLECULAR WEIGHT	:	224.99
MELTING POINT °C	:	197-204 deg C
BOILING RANGE °C	:	NOT AVAILABLE
VAPOUR PRESSURE	:	NOT AVAILABLE
VAPOUR DENSITY	:	NOT AVAILABLE
DENSITY	:	NOT AVAILABLE
DECOMPOSITION TEMPERATURE °C	:	200 deg C
AUTOIGNITION TEMPERATURE °C	:	NOT AVAILABLE
FLASH POINT °C	:	NOT AVAILABLE
EXPLOSION LIMITS (LOWER/UPPER)	:	NOT AVAILABLE

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SECTION 10 : STABILITY & REACTIVITY

CHEMICAL STABILITY	:	Stable at room temperature in closed containers under normal storage and handling conditions.
CONDITIONS TO AVOID	:	Light, dust generation, moisture, excess heat.
INCOMPATIBLE WITH	:	Water.
HAZARDOUS DECOMPOSITION PRODUCTS	:	Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide, hydrogen iodide, iodide.
HAZARDOUS POLYMERIZATION	:	Has not been reported

SECTION 11 : TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 516-12-1: WN2817000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 516-12-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: No information found
Neurotoxicity: No information found

SECTION 12 : ECOLOGICAL INFORMATION

No data available. However, do not allow material to be released to the environment, without proper governmental permits.

SECTION : 13 DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION : 14 TRANSPORT INFORMATION

This substance is considered to be non-hazardous for sea & air transport



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SECTION : 15 REGULATORY INFORMATION

TSCA

CAS# 516-12-1 is not listed on the TSCA inventory. It is for research and development use only.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

SECTION : 16 ADDITIONAL INFORMATION

This document is intended only as a guide to the appropriate precautionary handling of material by a person timed in chemical handling. The user is responsible for a determine the precautions & dangers of this chemical for his or her particular application depending on usage. Adequate protective clothing, including eye / face guards, approved respirators must be used to avoid contact with the material or breathing chemical vapors / fumes.

exposure to this product may cause adverse health effects. this chemical may interact with other substances. since the potential uses are so varied, m/s. Omkar speciality chemicals ltd. cannot warn of all of the potential dangers of use or interaction with chemicals of materials. M/s. Omkar speciality chemicals ltd. Warrants that, the chemical meets the specifications set forth on the test report.

M/s. Omkar speciality chemicals ltd. disclaims any other warranties expressed or implied with regard to the product supplied hereunder its merchantability or its fitness for a particular purpose.

The user should recognize that, this product can cause severe injury, especially if improperly handled or the known dangers of use are not heeded.

Read all precautionary information's.