

ALFAAL10850

2-Methyl-5-nitrophenyl isocyanate

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

产品说明:	2-甲基-5-硝基苯基异氰酸酯
Product Description:	2-Methyl-5-nitrophenyl isocyanate
Cat No. :	L10850
Molecular Formula	C8 H6 N2 O3
Supplier	Avocado Research Chemicals Ltd. (Part of Thermo Fisher Scientific) Shore Road, Heysham Lancashire, LA3 2XY, United Kingdom Office Tel: +44 (0) 1524 850506 Office Fax: +44 (0) 1524 850608
Emergency Telephone Number	For information US call: 001-800-227-6701 / Europe call: +32 14 57 52 11 Emergency Number US: 001-201-796-7100 / Europe: +32 14 57 52 99 CHEMTREC Tel. No. US: 001-800-424-9300 / Europe: 001-703-527-3887
E-mail address	begel.sdsdesk@thermofisher.com
Recommended Use	Laboratory chemicals.
Uses advised against	No Information available

SECTION 2. HAZARD IDENTIFICATION

	Physical State	Appearance	Odor
	Solid	Yellow	Irritating
Emergency Overview Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes seric irritation. Harmful if inhaled. May cause respiratory irritation.			

Classification of the substance or mixture

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Specific target organ toxicity - (single exposure)	Category 3

Label Elements



Signal Word

Warning

Hazard Statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled

Precautionary Statements

Prevention

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

P272 - Contaminated work clothing should not be allowed out of the workplace

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P312 - Call a POISON CENTER or doctor if you feel unwell

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P330 - Rinse mouth

P362 + P364 - Take off contaminated clothing and wash it before reuse

Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Physical and Chemical Hazards

None identified.

Health Hazards

Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation.

Environmental hazards

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. Is not likely mobile in the environment due its low water solubility. Spillage unlikely to penetrate soil.

This product does not contain any known or suspected endocrine disruptors.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight %
2-Methyl-5-nitrophenyl isocyanate	13471-68-6	<=100

SECTION 4. FIRST AID MEASURES

General Advice

If symptoms persist, call a physician.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

2-Methyl-5-nitrophenyl isocyanate

Ingestion

Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Most important symptoms and effects

May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

Self-Protection of the First Aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Notes to Physician

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Extinguishing media which must not be used for safety reasons

No information available.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors.

Protective Equipment and Precautions for Firefighters

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental Precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods for Containment and Clean Up

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

Refer to protective measures listed in Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

Handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage

Keep refrigerated.

Specific Use(s)

Use in laboratories

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust

Exposure Controls

Engineering Measures

Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection	Goggles	(European standard - EN 166)
----------------	---------	------------------------------

Hand Protection

Protective gloves

Glove material Nitrile rubber Neoprene Natural rubber PVC	Breakthrough time See manufacturers recommendations	Glove thickness -	EU standard EN 374	Glove comments (minimum requirement)	
---	---	----------------------	-----------------------	---	--

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

Skin and body protection	Long sleeved clothing
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly
Large scale/emergency use	Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced Recommended Filter type: Particulates filter conforming to EN 143
Small scale/Laboratory use	Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended half mask:- Particle filtering: EN149:2001 When RPE is used a face piece Fit Test should be conducted
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State Yellow Solid

Irritating

Odor

2-Methyl-5-nitrophenyl isocyanate

Odor Threshold	No data available	
рН	No information available	
Melting Point/Range	49 - 52 °C / 120.2 - 125.6 °F	
Softening Point	No data available	
Boiling Point/Range	No information available	
Flash Point	> 110 °C / > 230 °F	Method - No information available
Evaporation Rate	Not applicable	Solid
Flammability (solid,gas)	No information available	
Explosion Limits	No data available	
Vapor Pressure	No data available	
Vapor Density	Not applicable	Solid
Specific Gravity / Density	No data available	
Bulk Density	No data available	
Water Solubility	Insoluble in water	
Solubility in other solvents	No information available	
Partition Coefficient (n-octanol/w	ater)	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity	Not applicable	Solid
Explosive Properties	No information available	
Oxidizing Properties	No information available	
Molecular Formula	C8 H6 N2 O3	
Molecular Weight	178.15	
U		

SECTION 10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Reactions Hazardous Polymerization	None under normal processing. No information available.
Conditions to Avoid	None known.
Materials to avoid	No information available.

Hazardous Decomposition Products None under normal use conditions.

Product Information	
(a) acute toxicity;	
(b) skin corrosion/irritation;	Category 2
(c) serious eye damage/irritation;	Category 2
(d) respiratory or skin sensitization; Respiratory Skin	No data available Category 1
	May cause sensitization by skin contact
(e) germ cell mutagenicity;	No data available

2-Methyl-5-nitrophenyl isocyanate

SolubilityEndocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion PotentialThis product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance This product does not contain any known or suspected substanceSECTION 13. DISPOSAL CONSIDERATIONSWaste from Residues/Unused ProductsWaste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations.Contaminated PackagingDispose of this container to hazardous or special waste collection point.	(f) carcinogenicity;	No data available
(h) STOT-single exposure; Category 3 Results / Target organs Respiratory system (i) STOT-repeated exposure; No data available Target Organs No information available. (j) aspiration hazard; Not applicable Solid Symptoms / effects,both acute and Bayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tim of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain of flushing Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil. Is not likely mobile in the environment due its low wa solubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected substance This product does not contain any known or suspected substance Section 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point.		There are no known carcinogenic chemicals in this product
Results / Target organs Respiratory system (i) STOT-repeated exposure; No data available Target Organs No information available. (j) aspiration hazard; Not applicable Solid Symptoms / effects,both acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tin of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing Section 12. ECOLOGICAL INFORMATION Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil. Is not likely mobile in the environment due its low wa solubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance This product does not contain any known or suspected substance Section 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point. <th>(g) reproductive toxicity;</th> <th>No data available</th>	(g) reproductive toxicity;	No data available
(i) STOT-repeated exposure; No data available Target Organs No information available. (i) aspiration hazard; Not applicable Solid Symptoms / effects,both acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tin of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low wa solubility Endocrine Disruptor Information Persistent Organic Pollutant Organic Pollutant This product does not contain any known or suspected substance SECTION 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations.	(h) STOT-single exposure;	Category 3
Target Organs No information available. (i) aspiration hazard; Not applicable Solid Symptoms / effects,both acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tin of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing SECTION 12. ECOLOGICAL INFORMATION Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low we solubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance SECTION 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point.	Results / Target organs	Respiratory system
(i) aspiration hazard; Not applicable Solid Symptoms / effects,both acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tin of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing SECTION 12. ECOLOGICAL INFORMATION Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low wa solubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance This product does not contain any known or suspected substance SECTION 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point.	(i) STOT-repeated exposure;	No data available
Solid Solid Symptoms / effects,both acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tin of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing SECTION 12. ECOLOGICAL INFORMATION Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil. Is not likely mobile in the environment due its low was solubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance SECTION 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point.	Target Organs	No information available.
delayed of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing SECTION 12. ECOLOGICAL INFORMATION Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low was solubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance SECTION 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point.	(j) aspiration hazard;	
Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low wasolubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance Section 13. DISPOSAL CONSIDERATIONS Waste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point.		
degradable in waste water treatment plants. Persistence and Degradability Persistence Insoluble in water. Bioaccumulative Potential May have some potential to bioaccumulate Mobility in soil Spillage unlikely to penetrate soil. Is not likely mobile in the environment due its low was solubility Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance This product does not contain any known or suspected substance SECTION 13. DISPOSAL CONSIDERATIONS Waste from Residues/Unused Products Waste from Residues/Unused Products Waste is classified as hazardous. Dispose of in accordance with the European Directive on waste and hazardous waste. Dispose of in accordance with local regulations. Dispose of this container to hazardous or special waste collection point.		SECTION 12. ECOLOGICAL INFORMATION
PersistenceInsoluble in water.Bioaccumulative PotentialMay have some potential to bioaccumulateMobility in soilSpillage unlikely to penetrate soil Is not likely mobile in the environment due its low was solubilityEndocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion PotentialThis product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance This product does not contain any known or suspected substanceWaste from Residues/Unused ProductsWaste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations.Contaminated PackagingDispose of this container to hazardous or special waste collection point.	Ecotoxicity effects	
Mobility in soilSpillage unlikely to penetrate soil Is not likely mobile in the environment due its low was solubilityEndocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion PotentialThis product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance This product does not contain any known or suspected substanceWaste from Residues/Unused ProductsWaste is classified as hazardous. Dispose of in accordance with the European Directive on waste and hazardous waste. Dispose of in accordance with local regulations.Contaminated PackagingDispose of this container to hazardous or special waste collection point.		Insoluble in water.
SolubilityEndocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion PotentialThis product does not contain any known or suspected endocrine disruptors This product does not contain any known or suspected substance This product does not contain any known or suspected substanceMaste from Residues/Unused ProductsWaste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations.Contaminated PackagingDispose of this container to hazardous or special waste collection point.	Bioaccumulative Potential	May have some potential to bioaccumulate
Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected substance SECTION 13. DISPOSAL CONSIDERATIONS Waste from Residues/Unused Products Waste is classified as hazardous. Dispose of in accordance with the European Directive on waste and hazardous waste. Dispose of in accordance with local regulations. Contaminated Packaging Dispose of this container to hazardous or special waste collection point.	Mobility in soil	Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low water solubility
Waste from Residues/Unused ProductsWaste is classified as hazardous. Dispose of in accordance with the European Directiv on waste and hazardous waste. Dispose of in accordance with local regulations.Contaminated PackagingDispose of this container to hazardous or special waste collection point.	Persistent Organic Pollutant	This product does not contain any known or suspected substance
Productson waste and hazardous waste. Dispose of in accordance with local regulations.Contaminated PackagingDispose of this container to hazardous or special waste collection point.		SECTION 13. DISPOSAL CONSIDERATIONS
		Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.
	Contaminated Packaging	Dispose of this container to hazardous or special waste collection point.
Other Information Waste codes should be assigned by the user based on the application for which the pr was used. Do not empty into drains.	Other Information	Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains.
SECTION 14. TRANSPORT INFORMATION		SECTION 14. TRANSPORT INFORMATION

2-Methyl-5-nitrophenyl isocyanate

Special Precautions for User	No special precautions required
Proper Shipping Name Technical Shipping Name Hazard Class Packing Group	TOXIC SOLID, ORGANIC, N.O.S* (2-Methyl-5-nitrophenyl isocyanate) 6.1 III
IATAUN-No	UN2811
IMDG/IMO UN-No Proper Shipping Name Technical Shipping Name Hazard Class Packing Group	UN2811 Toxic solid, organic, n.o.s. (2-Methyl-5-nitrophenyl isocyanate) 6.1 III
Proper Shipping Name Technical Shipping Name Hazard Class Packing Group	Toxic solid, organic, n.o.s. (2-Methyl-5-nitrophenyl isocyanate) 6.1 III

International Inventories

X = listed, China (IECSC), Europe (EINECS/ELINCS/NLP), U.S.A. (TSCA), Canada (DSL/NDSL), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), Korea (KECL).

National Regulations

SECTION 16. OTHER INFORMATION

Prepared By	Health, Safety and Environmental Department
Revision Date	08-May-2024
Revision Summary	New emergency telephone response service provider.

Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Legend

CAS - Chemical Abstracts Service	TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical	- · · ·)
Substances/EU List of Notified Chemical Substances	Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances	ENCS - Japanese Existing and New Chemical Substances
IECSC - Chinese Inventory of Existing Chemical Substances	AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances	NZIOC - New Zealand Inventory of Chemicals

2-Methyl-5-nitrophenyl isocyanate

WEL - Workplace Exposure Limit	TWA - Time Weighted Average
ACGIH - American Conference of Governmental Industrial Hygienists	IARC - International Agency for Research on Cancer
DNEL - Derived No Effect Level	PNEC - Predicted No Effect Concentration
RPE - Respiratory Protective Equipment	LD50 - Lethal Dose 50%
LC50 - Lethal Concentration 50%	EC50 - Effective Concentration 50%
NOEC - No Observed Effect Concentration	POW - Partition coefficient Octanol:Water
PBT - Persistent, Bioaccumulative, Toxic	vPvB - very Persistent, very Bioaccumulative
ICAO/IATA - International Civil Aviation Organization/International Air Transport Association	IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code
ADR - European Agreement Concerning the International Carriage of	MARPOL - International Convention for the Prevention of Pollution from
Dangerous Goods by Road	Ships ATF - Acute Toxicity Estimate

OECD - Organisation for Economic Co-operation and Development **BCF** - Bioconcentration factor

Key literature references and sources for data

https://echa.europa.eu/information-on-chemicals Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

ATE - Acute Toxicity Estimate

VOC - (Volatile Organic Compound)

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 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

End of Safety Data Sheet