

SAFETY DATA SHEET

Creation Date 05-Nov-2010

Revision Date 10-Feb-2015

Revision Number 1

1. Identification

Product Name

AC193170000; AC193170050; AC193170250

Synonyms

Cat No. :

Recommended Use

Uses advised against No Information available Details of the supplier of the safety data sheet

Company Fisher Scientific One Reagent Lane Fair Lawn, NJ 07410 Tel: (201) 796-7100 Entity / Business Name Acros Organics One Reagent Lane Fair Lawn, NJ 07410

Indium(III) oxide

Diindium trioxide

Laboratory chemicals.

Emergency Telephone Number For information US call: 001-800-ACROS-01 / 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

2. Hazard(s) identification

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Based on available data, the classification criteria are not met

Label Elements

None required

Hazards not otherwise classified (HNOC) None identified

3. Composition / information on ingredients

Comp	onent	CAS-No	Weight %
Indium oxide (In2O3)		1312-43-2	>95
	4.	First-aid measures	
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.		
		Wash off immediately with plenty of water for at least 15 minutes. Get medical attention	

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
Ingestion	Do not induce vomiting. Obtain medical attention.
Most important symptoms/effects Notes to Physician	No information available. Treat symptomatically

	5. Fire-fighting measures
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available No information available
Autoignition Temperature Explosion Limits	No information available
Upper	No data available
Lower Sensitivity to Mechanical Impac Sensitivity to Static Discharge	No data available t No information available No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

None known

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.

<u>NFPA</u>	Health 1	Flammability 0	Instability 0	Physical hazards N/A
		6. Accidental rel	ease measures	
	l Precautions mental Precautions	Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. Should not be released into the environment. See Section 12 for additional ecological information.		
Methods	s for Containment and C	lean Sweep up or vacuum up sp	illage and collect in suitable c	ontainer for disposal. Avoid dust

Methods for Containment and Clean Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

	7. Handling and storage
Handling	Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.
	8. Exposure controls / personal protection
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

	DLH
Indium oxide (In2O3) TWA: 0.1 mg/m ³ (Vacated) TWA: 0.1 mg/m ³ TWA: 0.1	ng/m³

Component	Quebec	Mexico OEL (TWA)	Ontario TWAEV
Indium oxide (In2O3)	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Engineering Measures	Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/face Protection	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 and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical a	and chemical properties
Physical State	Solid
Appearance	White
Odor	No information available
Odor Threshold	No information available
рН	No information available
Melting Point/Range	No data available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	No information available
Relative Density	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available
Molecular Formula	In2O3
Molecular Weight	277.64
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10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.

Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation.				
Incompatible Materials	Strong oxidizing a	gents			
Hazardous Decomposition Product	s None under norma	al use conditions			
Hazardous Polymerization	Hazardous polyme	erization does not o	occur.		
Hazardous Reactions	ardous Reactions None under normal processing.				
	11. Toxico	ological info	ormation		
Acute Toxicity		<u> </u>			
Product Information	No acute toxicity ir	nformation is availa	able for this produc	t	
Component Information Toxicologically Synergistic Products	No information ava	ailable			
Delayed and immediate effects as v	vell as chronic effe	cts from short an	<u>d long-term expo</u>	sure	
Irritation	No information ava	ailable			
Sensitization	No information available				
Carcinogenicity	The table below in	dicates whether ea	ach agency has list	ed any ingredient	as a carcinogen.
Component CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Indium oxide (In2O3) 1312-43-2	Not listed	Not listed	Not listed	Not listed	Not listed
Mutagenic Effects	No information ava	aliable			
Reproductive Effects	No information available.				
Developmental Effects	No information available.				
Teratogenicity No information available.		ailable.			
STOT - single exposure STOT - repeated exposure	None known None known				
Aspiration hazard	No information ava	ailable			
Symptoms / effects, both acute and No information available					
delayed Endocrine Disruptor Information	No information ava	ailable			
Other Adverse Effects	The toxicological p complete informati		been fully investig	jated. See actual e	entry in RTECS for
	12. Ecolo	ogical infor	mation		
Ecotoxicity Do not empty into drains.					

Persistence and Degradability Bioaccumulation/ Accumulation	No information available No information available.
Mobility	No information available.

	13. Disposal considerations
Masta Diseasel Mathada	Chemical waste constant must determine whether a discorded shemical is electified as a

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a

hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

	14. Transport information
DOT	Not regulated
DOT TDG IATA	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
	15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Indium oxide (In2O3)	Х	Х	-	215-193-9	-		Х	Х	Х	Х	Х

Legend: X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)	Not applicable

SARA 313	Not applicable
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Acute Health Hazard Chronic Health Hazard Fire Hazard	ronic Health Hazard e Hazard dden Release of Pressure Hazard	
Clean Water Act	Not applicable	
Clean Air Act	Not applicable	

OSHA Occupational Safety and Health Administration Not applicable

CERCLA

Not applicable

California Proposition 65

This product does not contain any Proposition 65 chemicals

State Right-to-Know	Not ap	olicable			
Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Indium oxide (In2O	3) -	-	-	-	Х

U.S. Department of Transportation

Reportable Quantity (RQ): N			
DOT Marine Pollutant	Ν		
DOT Severe Marine Pollutant	Ν		

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade

No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

Non-controlled

	16. Other information
Prepared By	Regulatory Affairs Thermo Fisher Scientific Email: EMSDS.RA@thermofisher.com
Creation Date Revision Date Print Date Revision Summary	05-Nov-2010 10-Feb-2015 10-Feb-2015 This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally
	Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of SDS