DOJINDO Laboratories

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Safety Data Sheet (SDS) This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill, at their own discretion and risk. Revision Date: Jun 1 2015

Secu				
1.1	Product identifier	OMPANY IDENTIFICATION		
	Product Name:	ICG-EG₄-Sulfo-OSu		
	Product Code: CAS Number	1289		
		•		
~	EC Number:	-		
.2	Details of the supplier of the safety data sheet			
	Company:	Dojindo Laboratories Tohory 2025 5 Maabiki maabi Kamimaabiki gun Kumamata 861 2202		
	Address:	Tabaru 2025-5 Mashiki-machi, Kamimashiki-gun, Kumamoto 861-2202,		
	Talanhana	Japan		
	Telephone:	+81-96-286-1515 +81-96-286-1525		
	Fax:			
1.3	Emergency phone number Product use	er: +81-96-286-1515		
	For research use only.			
	FOI TESEARCH USE ONly.			
Secti	ion2. HAZARDS IDENTI	FICATION		
2.1	Classification of the su			
	Classification according t	o Regulation (EC) No 1272/2008.[EU-GHS/CLP]		
	Not a hazardous subst	ance or mixture according to Regulation (EC) No. 1272/2008		
2.2	Label elements			
		julation (EC) No 1272/2008 [EU-GHS/CLP]		
	Pictogram:	None		
	Signal word:	None		
	Hazard statement(s):	None		
	Precautionary statement	s): None		
2.3	Other hazards			
2.3	Other hazards None known.			
	None known.	FORMATION ON INGREDIENTS		
Secti	None known.	FORMATION ON INGREDIENTS ICG-EG₄-Sulfo-OSu		
Secti	None known. on3. COMPOSITION/INI Product Name:	ICG-EG₄-Sulfo-OSu		
Secti	None known. ion3. COMPOSITION/INI	ICG-EG₄-Sulfo-OSu 2-[7-[1,1-Dimethyl-3-(4-sulfobutyl)-2 <i>H</i> -benzo[<i>e</i>]indol-2-ylidene]hepta-1,3,5-trienyl]-		
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Secti	None known. ion3. COMPOSITION/INI Product Name: Synonyms: Concentration: Formula:	$\begin{split} & ICG\text{-}EG_4\text{-}Sulfo\text{-}OSu\\ & 2\text{-}[7\text{-}[1,1\text{-}Dimethyl\text{-}3\text{-}(4\text{-}sulfobutyl)\text{-}2H\text{-}benzo[e]indol\text{-}2\text{-}ylidene]hepta\text{-}1,3,5\text{-}trienyl]\text{-}\\ & 1,1\text{-}dimethyl\text{-}3\text{-}hexanoylamino\text{-}[3,6,9,12\text{-}tetraoxa\text{-}14\text{-}(3\text{-}sulfosuccinimidyl)oxytetradecanoyl]\text{-}1H\text{-}benzo[e]indolium,sodium salt\\ & \leq 100\%\\ & C_{60}H_{73}N_4NaO_{15}S_2 \end{split}$		
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<u>Secti</u> 3.1	None known. ion3. COMPOSITION/INI Product Name: Synonyms: Concentration: Formula:	$eq:linear_line$		
Secti 3.1	None known. ion3. COMPOSITION/INI Product Name: Synonyms: Concentration: Formula: Molecular Weight:	$\label{eq:constraint} \begin{array}{l} ICG-EG_4-Sulfo-OSu \\ 2-[7-[1,1-Dimethyl-3-(4-sulfobutyl)-2H-benzo[\mathit{e}]indol-2-ylidene]hepta-1,3,5-trienyl]-1,1-dimethyl-3-hexanoylamino-[3,6,9,12-tetraoxa-14-(3-sulfosuccinimidyl)oxytetradecanoyl]-1H-benzo[\mathit{e}]indolium,sodiumsalt \\ \leq 100\% \\ C_{60}H_{73}N_4NaO_{15}S_2 \\ 1177.36 \end{array}$		
Secti 3.1	None known. ion3. COMPOSITION/INI Product Name: Synonyms: Concentration: Formula: Molecular Weight: ion4. FIRST AID MEASU	$\label{eq:constraint} \begin{array}{l} ICG-EG_4-Sulfo-OSu \\ 2-[7-[1,1-Dimethyl-3-(4-sulfobutyl)-2H-benzo[\mathit{e}]indol-2-ylidene]hepta-1,3,5-trienyl]-1,1-dimethyl-3-hexanoylamino-[3,6,9,12-tetraoxa-14-(3-sulfosuccinimidyl)oxytetradecanoyl]-1H-benzo[\mathit{e}]indolium,sodiumsalt \\ \leq 100\% \\ C_{60}H_{73}N_4NaO_{15}S_2 \\ 1177.36 \end{array}$		
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No information available.

4.3 Indication of any immediate medical attention and special treatment needed No information available.

Section5. FIRE-FIGHTING MEASURES Extinguishing media 5.1 Use extinguishing media appropriate for the surrounding fire. 5.2 Special hazards arising from the substance or mixture May emit toxic fumes under fire conditions. Special protective equipment for firefighters 5.3 Wear self-contained breathing apparatus and full protective clothing if necessary. Section6. ACCIDENTAL RELEASE MEASURES 6.1 Personal precautions, protective equipment and emergency procedures Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Avoid contact with skin and clothing. 6.2 **Environmental precautions** Prevent further leakage. Prevent contamination of drains with product. 6.3 Methods and materials for containment and cleaning up Pick up and collect product in suitable container for disposal. Section7. HANDLING AND STORAGE 7.1 Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Wear appropriate protective personal equipment. Use only with adequate ventilation. Conditions for safe storage, including any incompatibilities 7.2 Keep tightly closed. Protect from moisture. Store in a deep freeze at -20°C, dark and dry place. Section8. EXPOSURE CONTROLS / PERSONAL PROTECTION 8.1 **Control parameters** Contains no substances with occupational exposure limit values. 8.2 **Exposure controls Engineering measures** Ensure adequate ventilation, especially in confined areas. **Hygiene measures** Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handing. Personal protective equipment Wear safety glasses with side-shields conforming to European Standard Eye/face protection: EN166. Wear protective gloves conforming to EU Directive 89/686/EEC and Hand protection: European Standard EN374. Gloves must be inspected prior to use. Avoid skin contact with product when remove gloves. Dispose of contaminated gloves safely after use. Wear laboratory coat or impervious clothing. Choose appropriate body Skin and body protection: protection according to the amount and concentration of the substance at the work place.

Respiratory protection: Wear suitable respiratory equipment in case of inadequate ventilation.

Section9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties	
a) Appearance:	Green to dark green powder or solid
b) Odor:	Odorless
c) Odor Threshold:	No data available
d) pH:	No data available
e) Melting point/freezing point:	No data available
f) Initial boiling point and boiling range:	No data available
g) Flash point:	No data available
h) Evaporation rate:	No data available
i) Flammability (solid, gas):	No data available
j) Upper / lower flammability or explosive limits:	No data available
k) Vapor pressure:	No data available
I) Vapor density:	No data available
m) Relative density:	No data available
n) Solubility(ies):	No data available
 o) Partition coefficient: n-octanol / water: 	No data available
p) Auto-ignition temperature:	No data available

	q) Decomposition temperature:	No data available
	r) Viscosity:	No data available
	s) Explosive properties:	No data available
	t) Oxidizing properties:	No data available
0		
Section	on10. STABILITY AND REACTIVITY Stability and reactivity	
	Reactivity:	Stable
	Chemical stability:	Stable at a deep freeze at -20°C, dark and dry place.
	Possibility of hazardous reactions:	No data available
	Conditions to avoid:	Heat, sunlight, high temperature
	Incompatible materials:	Strong oxidizing agents, strong acids and bases
	Hazardous decomposition products:	When decomposed, it may emit toxic fumes of carbon
		monoxide, carbon dioxide, nitrogen oxides and sulfur
		oxides.
Sectio	on11. TOXICOLOGICAL INFORMAT	ION
11.1	Information on toxicological effects	
	a) Acute toxicity:	No data available
	b) Skin corrosion / irritation:	No data available
	c) Serious eye damage/eye irritation:	No data available
	d) Carcinogenicity:	point of this product propert at levels greater than or equal to 0.10 / is
		nent of this product present at levels greater than or equal to 0.1% is s a possible, probable or confirmed human carcinogen by IARC.
	e) Reproductive toxicity:	No data available
	f) STOT - SE:	No data available
	g) STOT - RE:	No data available
	h) Aspiration hazard:	No data available
11.2	Potential health effects	
	Ingestion:	May be harmful if swallowed.
	Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
	Skin: Eyes:	May be harmful if absorbed through skin. Causes skin irritation. Causes serious eye irritation.
11.3	Additional Information	Causes senous eye initation.
11.0	No additional information is available	
	on12. ECOLOGICAL INFORMATION	
12.1	Ecotoxicity No data available	
12.2	Persistence and degradability	
	No data available	
12.3	Bioaccumulative potential	
	No data available	
12.4	Mobility in soil	
	No data available	
12.5	Results of PBT and vPvB assessmen No data available	t
Section	on13. DISPOSAL CONSIDERATION	S
	Waste treatment methods	
	Product	a diapaged convice to diapage of this motorial. Dispace of its accordance
	with local regulations.	e disposal service to dispose of this material. Dispose of in accordance
	Contaminated packaging	
	Dispose of as unused product. Do no	t reuse empty containers.
	· ·	
	on14. TRANSPORT INFORMATION	
14.1		
44.0	ADR/RID: -	IMDG: - IATA: -
14.2	UN proper shipping name ADR/RID: -	
	IMDG: -	
	IATA: -	
14.3	Transport hazard class(es)	
	ADR/RID: -	IMDG: - IATA: -
14.4	Packaging group	
	ADR/RID: -	IMDG: - IATA: -

14.5 **Environmental hazards**

14.0						
	ADR/RID:	No	IMDG: No	IATA:	No	

Section15. REGULATORY INFORMATION This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 [REACH], as amended by Commission Regulation (EU) No 453/2010. Safety, health and environmental regulations / legislation specific for the substance or mixture

15.1 No information available

15.2 **Chemical Safety Assessment** No information available

Section16. OTHER INFORMATION

Key to abbreviations and acronyms	
STOT-SE:	Specific Target Organ Toxicity - Single Exposure
STOT-RE:	Specific Target Organ Toxicity - Repeated Exposure
PBT:	Persistent Bioaccumulative and Toxic
vPvB:	very Persistent very Bioaccumulative and toxic
ADR:	european Agreement concerning the international carriage of
	Dangerous goods by Road
CAS:	Chemical Abstracts Service
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
IMDG:	International Maritime code for Dangerous Goods
REACH:	Registration, Evaluation, Authorization and restriction of Chemicals
RID:	Regulations concerning the International transport of Dangerous goods
	by rail