MATERIAL SAFETY DATA SHEET

(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200) (XPGB- Lightning Colors)

Page 1 of 2

ACGIH TLV

Gelly Roll Lightning
Stock numbers: (5 colors) (item code # XPGB)
37700 silver / orange, 37701 silver / pink, 37702 silver / purple, 37703 silver / green, 37704 silver / blue

Manufacturer's Name: Sakura Color Products Corporation	Telephone Number: +81 (0)6 - 6910 - 8824 (Japan)	
Address:	FAX Number:	
1-6-20, Morinomiya Chuo, Chuo-ku, Osaka, 540-8508 Japan	+81 (0)6 - 6910 - 8834 (Japan)	
Published Date:	Publisher:	
November 11, 1999	Takahiro Shirai	

This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

WT %

OSHA PEL

Hazardous Components CAS No.

N.A.: Not Applicable

Boiling Point:	about 100℃	Specific Gravity: 1 ~1.1		
Vapor Pressure: (mmHg)	N.D.	Melting Point:	N.D.	
Vapor Density: (Air = 1)	N.D.	Evaporation Rate: (Butyl Acetate = 1)		
Solubility in Water				
Solub	le (except pigments)			
Appearance and Odor			3194	
No od	or			
Section IV – Fire and Explo	osion Hazard Data			
Flash Point (Method Uses):	osion Hazard Data	Flammable Limits:		
	osion Hazard Data	Flammable Limits: LEL: N.D.	UEL: N.D.	
Flash Point (Method Uses): N.D.	osion Hazard Data	1	UEL: N.D.	
Flash Point (Method Uses): N.D. Extinguish Media:		LEL: N.D.	UEL: N.D.	
Flash Point (Method Uses): N.D. Extinguish Media: In case of fire, use	e water spray, foam o	LEL: N.D.	UEL: N.D.	
Flash Point (Method Uses): N.D. Extinguish Media:	e water spray, foam o ures:	LEL: N.D.	UEL: N.D.	
Flash Point (Method Uses): N.D. Extinguish Media: In case of fire, use Special Fire Fighting Proced	e water spray, foam o ures: on	LEL: N.D.	UEL: N.D.	

N.D.: Not Determined

Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material						
Stability Stable Incompatibility (Materials to avoid): Hazardous Decomposition or Byproducts: Hazardous Polymerization May Occur May not Occur May not Occur Section VI – Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical action in the violation of the procedure of t				ty Data	Section V - Reactivit	
Incompatibility (Materials to avoid): Hazardous Decomposition or Byproducts: Hazardous Polymerization May Occur Condition to avoid: Section VI – Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute and Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap.		Condition to avoid		Unstable		
Incompatibility (Materials to avoid): Hazardous Decomposition or Byproducts: Hazardous Polymerization May Occur May not Occur May not Occur Section VI – Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute in the procedure of the pr				Stable	Stability	
Hazardous Polymerization May not Occur May not Occur Section VI – Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute and Soap. If the victim stops breathing, wipe away any remaining material					Incompatibility (Mater	
Hazardous Polymerization May not Occur May not Occur Section VI – Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute and Soap. If the victim stops breathing, wipe away any remaining material						
Polymerization May not Occur Section VI – Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical action in Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap.			S.	sition or Byproducts:	Hazardous Decompos	
Polymerization May not Occur Section VI – Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material		May Occur Condition to avoid:				
Section VI - Health Hazard Data Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 Minutes. Skin Rinse with running water and soap.				May not Occur	120	
Route(s) of Entry: Inhalation?: Yes Skin?: Yes Ingestion?: Yes Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap.					Section VI - Health 1	
Health Hazards (Acute and Chromic): Unknown Carcinogenic: NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical acute inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 Minutes. Skin Rinse with running water and soap.	Industrian 2: Van	Skin2: Vos	Vas			
None NTP?: None IARC Monographs?: None OSHA Regulated?: None Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical according in the process of the p						
Signs and Symptoms of Exposure: Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical action Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material	0000		00 Manan	FD2: Name IAD	_	
Not applicable in normal use. Medical Conditions Generally Aggravated by Exposure: Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap.	OSHA Regulated?: None	apns?: None	C Monog			
Unknown Emergency and First Aid Procedure: Rout of Entry Emergency procedures Seek medical action Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap.			mal use.			
Emergency and First Aid Procedure: Rout of Entry Emergency procedures Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material			by Expo	enerally Aggravated	Medical Conditions G	
Rout of Entry Emergency procedures Seek medical action Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material		Unknown		Aid Procedure:	Emergency and First	
Inhalation Not applicable Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material				7 10 00 day 6,		
Eyes Gently rinse the affected eyes with clean water for at least 15 minutes. Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material	Seek medical advice	Emergency procedures				
Skin Rinse with running water and soap. If the victim stops breathing, wipe away any remaining material		Not applicable				
If the victim stops breathing, wipe away any remaining material	rater for at least 15	Gently rinse the affected eyes with clean water for at least 15 minutes.				
If the victim stops breathing, wipe away any remaining material in the mouth and clear the airway and administer artificial		Rinse with running water and soap.				
the same that the same administration of the sam	remaining material administer artificial	If the victim stops breathing, wipe away any remaining material in the mouth and clear the airway and administer artificial respiration.				
Section VII - Precautions for Safe Handling and Use		Hea	thing and	tions for Safe Hand	Section VII - Precaut	
Steps to be taken in Case Material is Released or Spilled.		Spilled.	eased or	Case Material is Rele	Steps to be taken in C	
The ink is not spilled so that it soaked into the ink reservoir by normal handling.	r by normal handling.	to the ink reservoi	t soaked i	ot spilled so that it	The ink is n	
In the case of stuck to the skin, rinse with running water and soap. Waste Disposal Method:	id soap.	in running water a		od:	Waste Disposal Metho	
Follow all regulations in your country						
Precautions to be taken in Handling and Storing: Keep away high temperature or direct sunlight. Other Precautions: Keep away a strong acid	h temperature or direct sunlight.	Keep away hig			Precautions to be take	
and y and y a state of the stat		ia.	strong ac			
Section VIII - Control Measures		***************************************				
Respiratory Protection (Specify Type): Not necessary		gary	Not neces		Respiratory Protection	
Local Exhaust: Special:	pecial:					
Ventilation Not necessary Not necessary	Notinecessary	sary			Ventilation	
Mechanical (General): Not necessary Other: Not necessary			,	•		
Protective Gloves: Eye Protection:		T				
Not necessary Not necessary	Not necessary					
Other Protective Clothing or Equipment: Not necessary		arv	ot necess		Other Protective Cloth	
Work / Hyglenic Practices: In the case of stuck to the skin, rinse with running water and soap.	κ water and soap.	e ann aithe ann ann ann agus an ann a seann ann an ann an ann an ann an ann an a	T = 1.000.00.1.2.2.00 g.mg g.m.	ices		
This information herein is given good faith, but no warranty, expressed or implied is made.						