



ACS-1276

L2340

Safety Data Sheet

1 PRODUCT AND COMPANY IDENTIFICATION

Product name: ACS-1276 RESIN
 Intended use: resin
 Importer:
 Company name: Nippon Paint (America) Corp. [Division of Nippon Paint (USA) Inc.]
 Address: Glenpointe Centre, East 300 Frank W. Burr. Blvd., Teaneck, New Jersey 07666-6895, U.S.A.
 Telephone No.: United States:(201)692-1111
 24 hours Emergency telephone No.: United States:(800)424-9300(CHEMTREC) 24 hours
 EverydayInternational: +1-(703)527-3887(Collect) 24 hours Everyday
 Manufacture:
 Company name: NIPPON PAINT CO.,LTD.
 Address: 2-1-2 Oyodo-kita, Kita-ku, Osaka 531-8511
 Telephone No.: +81-6-6455-9125
 Facsimile No.: +81-6-6455-9265
 24 hours Emergency telephone No.: +81-6-6455-9125

2 COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Preparation:Preparation.

Chemical nature:acrylic resin solution

<u>Ingredient Name</u>	<u>CAS No.</u>	<u>Concentration[%]</u>
acrylic resin	proprietary	55-60
2-methoxy-1-methylethyl acetate	108-65-6	10-15
Solvent naphtha (petroleum), light arom.	64742-95-6	10-15
trimethylbenzene (except 1,3,5-trimethylbenzene)	25551-13-7	10-15
n-butanol #	71-36-3	7.3
1,3,5-trimethylbenzene	108-67-8	1-5
other additive(s)	proprietary	0.1-1

Notes:*,+,@=Carcinogenic according to criteria established by (*=NTP +=IARC @=OSHA)

#=ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization act (SARA) section 313,40 CFR 372.65.

\$=Significant New Uses of Chemical Substances (SNUR). section 721, Subpart E--Significant New Uses for Specific Chemical Substances.

\$1=SNUR (70 FR 71401-6, Nov. 29, 2005) This SNUR regulation is applicable only when the substance is for domestic use in a consumer product.

3 HAZARDS IDENTIFICATION

classification	most important hazard
flammable liquid and vapor.	Flammable liquid and vapor.
eye moderate irritant.	Cause eye irritation.
acute aquatic toxicity.	Harmful to aquatic organisms.

4 FIRST-AID MEASURES

Inhalation:	If inhaled, remove to fresh air.
Skin contact:	In case of contact, immediately wash skin soap and plenty of water.
Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately. Call a physician if irritation develops and persists.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

5 FIRE-FIGHTING MEASURES

	Do NOT use water jet. Use water spray or dry chemicals. Keep adjacent receptacles cool with copious quantities of water.
suitable fire-extinguishing media	[OK]water fog,[OK]CO2,[OK]foam,[OK]dry chemicals,[OK]dry sand.
Note:	Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate. Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or watercourses. See section 10.

6 ACCIDENTAL RELEASE MEASURES

Avoid all sources of ignition(e.g.naked lights, unprotected light bulbs,electric handtools).

Ventilate the area and avoid breathing vapors.

Wear protective clothing and self-contained breathing apparatus when dealing with spillage or fire.

Collect spillage, where practicable, for safe disposal.

Should be disposed of wastes and empty containers in accordance with regulations made under the control of pollution acts and the environmental protection acts.

Collect spillage, where practicable, using absorbent material, and dispose of spillage on the floor in a safe manner.

Keep away from drains,surface- and ground-water and soil.

Do not allow spills to enter drains or water courses.

Refer to headings 8 and 13.

7 HANDLING AND STORAGE

Handling:

- Keep away from heat, sparks, and flame.
- Keep container closed.
- Use with adequate ventilation.
- The product may charge electro statically.
- Operators should wear clothing which dose not generate static (at least 60% natural fiber) and antistatic food wear.
- Do not get in eyes, on skin, or on clothing.
- Avoid prolonged or repeated contact with skin.
- Wash thoroughly after handling.
- Avoid release to environment.
- Protection as shown in section 8.

Storage:

- Keep container closed.
- Avoid prolonged or repeated contact with skin and inhalation.
- Keep away from heat, sparks and flame.
- Store in a well-ventilated, dry place away from sources of heat and direct sunshine.
- Do not store above 40 deg.C. (104 deg.F.).
- Avoid prolonged or repeated contact with skin.
- Do not allow to environment.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Prevent vapor build up by providing adequate ventilation during and after use.
 An eye wash facility should be readily available.
 The product should not be allowed to enter environment.
 Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower.

Exposure limit:

<u>Ingredient name</u>	<u>ACGIH</u> <u>TLV(TWA)</u>	<u>OSHA</u> <u>TLV(TWA)</u>
2-methoxy-1-methylethyl acetate	not est.	not est.
Solvent naphtha (petroleum), light arom.	100ppm	200 ppm
trimethylbenzene (except 1,3,5-trimethylbenzene)	25ppm	25 ppm
n-butanol	20ppm	100 ppm
1,3,5-trimethylbenzene	25ppm	25 ppm

Notes:(RD)=respirable dust. (c)=ceiling limit. (Skin)=skin penetrative.
 Mppcf=millions of particles per cubic foot.

Personal protection:	
Respiratory protection:	Wear NIOSH-Approved appropriate equipment.
Hand protection:	Wear impervious gloves.
Eye protection:	Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.
Skin protection:	Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.
Environmental exposure control:	Do NOT let this product enter the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
color:	pale yellow
odor:	solvent odor
pH:	no data.
boiling point(range):	118 - 180[deg.C](244 - 356[deg.F])
flash point:	37[deg.C](98.6[deg.F])
ignition temperature:	272[deg.C](522[deg.F])
lower explosive limit:	0.6[%]
higher explosive limit:	11.25[%]
vapor pressure:	733[Pa]
specific density:	1/20[deg.C](68[deg.F])
vapor density:	The vapor and the gas are heavier than air.
solubility in water:	None or poor in water
percentage volatile:	43.9[%]

10 STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions (see section 7). When exposed to high temperature, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.
Hazardous reaction:	Hazardous reaction will not occur.
Condition to avoid:	Avoid heating temperatures above 40 deg.C.
Materials to avoid:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.
Hazardous decomposition products:	The products decomposed on heating producing their oxide or monomers.

11 TOXICOLOGICAL INFORMATION

There are no data available on the product itself.

Toxicological information of ingredients:

acute toxicity:
No data.

local effects:

eye irritant

2-methoxy-1-methylethyl acetate

n-butanol

skin irritant

n-butanol

sensitization:

No data.

chronically long term effect:

No data.

12 ECOLOGICAL INFORMATION

For spills or waste, take care to avoid contaminating environment.

Prevent spills and wastewater from entering sewers, water courses or law areas to avoid pollution.

There are no data available on the product itself.

Ecological information of ingredients:

acute toxicity: n-butanol TLm24(goldenfish)=1900mg/L

1,3,5-trimethylbenzene LC50(48h,Oryzias datipes)=8.6mg/L

persistence: 1,3,5-trimethylbenzene non-biodegradable:0%(2week/)

1,3,5-trimethylbenzene example of bioaccumulation:342X(10week)

Data are based on "Biological and Bioaccumulation Data of Existing Chemicals Based on the SCSL Japan" Compiled under the supervision of METI(MITI) Japan.

13 DISPOSAL CONSIDERATIONS

The product should not be allowed to inter drains and watercourses.

All notification, clean-up and disposal should be carried out in accordance with federal, state and local regulations.

Preferred method of waste disposal are incineration or biological treatment in federal/state approved facility.

Wastes and empty containers should be disposed of in accordance with regulations made under the control of pollution acts and the environmental protection acts.

Empty containers should be recycled or disposed of through an approved waste management facility.

It is strongly advised not to let the chemical enter into the environment.

It may be toxic or harmful to aquatic organisms.

14 TRANSPORT INFORMATION



UN regulation

UN Shipping name: RESIN SOLUTION, flammable
UN identification number: 1866
UN Class: class 3 Flammable liquids.
UN Packaging group: III
IMDG Class: class 3.3 High flashpoint group.
storage temperature: Store bellow 40 deg.C.(104deg.F.).
See section 7,Handling and storage.
UN MARINE POLLUTANT: MARINE POLLUTANT. Paste the label of "MARINE POLLUTANT".

15 REGULATORY INFORMATION

Some polymers are in compliance with the Polymer Exemption Rule under TSCA40 CFR 723.250 and the other constituents are registered on TSCA inventory.

The information on the MSDS is based on the present state of our knowledge and on current laws.

OSHA STATUS:This product is hazardous under the Federal OSHA hazard communication standard 29 CFR 1910.1200.

TSCA STATUS: Toxic Substances Control Act Chemical Substance Inventory.

CERCLA REPORTABLE QUANTITY(40 CFR117,302); SARA TITLE III. SECTION 313(40 CFR 372) Toxic Chemicals.

Please refer to any other national measures that may be relevant.

16 OTHER INFORMATION

HMIS

Health	1
Reactivity	0
flammability	3

Personal Protection

Notes ; Health ; 4(sevier) > 3 > 2(moderate) > 1 > 0 (mild or none)

*: carcinogenic, mutagenic or reproductive effects.

Reactivity ; 4(easily explosive) > 3,2(reactive with water) > 1 > 0 (mild or none)

Flammability ; 4(highly flammable) > 3 > 2(flammable) > 1 > 0 (not flammable)

Personal Protection ; by the direction of employer.

This information contained in this data sheet represents the best information currently available to us.

However, no warranty is made with respect to its completeness and we assume no liability resulting us from its.

It is advised to make their own tests to determinate the safety and suitability of each such product or combination for their own.

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

The product should not be used for purposes other than shown in the material safety data sheet without first obtaining written advice.