



SAFETY DATA SHEET

According to the Model Work Health & Safety Regulations

NAX PRO LV300 ACTIVATOR

Date of issue: 01.08.2017

Revision date: N.A

Version: 1.0

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product form : Mixtures
Product name : NAX PRO LV300 ACTIVATOR
Proper Shipping Name : Butanols

1.2. Recommended uses and restrictions

Recommended use : Activator for paint
Restrictions on use : The product is only for professional and/or industrial use, not for any private consumer use

1.3. Supplier information

Marketed & Developed By : **Nippon Paint (India) Private Limited**
Address : 229, F.I.E Patparganj Industrial Estate
Delhi 110092, India.

Telephone no: : +91-11-43095357
Email : auto.refinish@nipponpaint-autorefinishes.com

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable Liquid 3 H226
Acute Toxicity (Inhalation) Category 4 H332
Skin Corrosion/Irritation Category 2 H315
Sensitization : Skin, Category 1 H317
Specific Target Organ Toxicity (Single Exposure) Category 1 H336

2.2. Label elements

Hazard pictograms (GHS) :   

Signal word (GHS) : **DANGER**

Hazard statements (GHS) : H226 – Flammable liquid and vapour
H332 – Harmful if inhaled
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H335 – May cause respiratory irritation

Precautionary statements (GHS) : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical, lighting, ventilating equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P260 – Do not breathe dust/, fume, gas, mist, spray, vapours
P261 - Avoid breathing dust, fume, gas, mist, spray, vapours
P264 - Wash hands, forearms and face thoroughly after handling
P270 – Do not eat, drink or smoke when using the product
P273 – Avoid release to the environment
P280 - Wear protective gloves, eye protection, face protection
P281 - Use personal protective equipment as required

Response(GHS) P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated



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clothing. Rinse skin with water/shower
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P307+P311 - IF exposed: Call a POISON CENTER or doctor/physician.
 P308+P313 - IF exposed or concerned: Get medical advice/attention
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell
 P314 - Get medical advice/attention if you feel unwell
 P321 - Specific treatment (see supplemental first aid instruction on this label)
 P332 + P313 If skin irritation occurs: Get medical advice/attention
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse
 P370 + P378 In case of fire: Use appropriate media for extinction.

Storage (GHS)

P403 + P235 Store in a well-ventilated place, Keep cool
P405 - Store locked up

Disposal (GHS)

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Dangerous Goods Classification

UN 1120 PAINT CLASS 3

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Name	CAS No	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Butan-1-ol	71-36-3	99	Flam. Liq. 3; H226 Acute Tox. 4; H302 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336
Orthophosphoric acid (V) 75%	7664-38-2	<2	Skin Corr. 1B; H314

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing; If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention if adverse health effects persist or are severe. If necessary call a POISON CENTER or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/ Take off immediately all contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; Remove contact lenses, if present and easy to do. Continue rinsing. ; Get immediate medical advice/attention
- First-aid measures after ingestion : Wash out mouth with water. Remove victim Call a POISON CENTER or a doctor if you feel unwell. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.



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4.2. Potential acute health effects

Eye Contact	: Causes serious eye irritation.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness
Skin Contact	: Causes skin irritation
Ingestion	: Can cause central nervous system (CNS) depression.

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use dry chemicals. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use water jet

5.2. Special hazards arising from the substance or mixture

Fire hazard	: In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Thermal decomposition products	: Decomposition products may be hazardous to health.

5.3. Special protective equipment and precautions for fire-fighters

Protective actions for firefighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
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SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials(see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

- Occupational Exposure Limits : None.
- Appropriate Engineering Controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment
- Environmental Exposure Controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
- Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Exposure limit values for the other components

Butan-1-ol

- TRGS 900: MAK: 100ppm, MAK: 310 mg/m³, 1(l),DFG, Y
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: STEL 50ppm, 154 mg/m³,Sk

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.



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8.4. Personal protective equipment

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection : chemical splash goggles
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other Skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and risks involved and should be approved by a specialist before handling this product.
Respiratory Protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Odour	: Characteristic
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: <20°C
Boiling point	: 117.5°C
Flash point	: Approx 29°C (Closed Cup method)
Ignition temperature	: Approx 340°C
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Vapour Density	: 2.55
Density	: About 0.8 g/cm ³ (20°C)
Solubility	: None or poor in water.
Log Pow	: No data available
Viscosity	: 10 – 15 mPas
Explosive properties	: No data available
Explosive limits	: 1.14 – 11.3 vol%
Volatile Volume	: No data available

SECTION 10: Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid heating temperatures above 30°C. Heat. No flames, no sparks. Eliminate all sources of ignition.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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LD50 Inhalation, rat	55.7 mg/L
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LD50 oral rat	3599 mg/kg
LD50 dermal rabbit	12678 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious skin irritation
Respiratory or skin sensitisation	: No data
Germ cell mutagenicity	: No data
Carcinogenicity	: No data
Reproductive toxicity	: No data
STOT-single exposure	: No data
STOT-repeated exposure	: No data
Aspiration hazard	: No data

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets , Environmental classification information is not mandatory . Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

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LC50 fish 1	> 1 - <= 10 mg/l
EC50 Daphnia 1	> 1 - <= 10 mg/l
ErC50 (algae)	> 1 - <= 10 mg/l

12.2. Persistence and degradability

No data available

12.3. Mobility in soil

No data available

12.4. Other adverse effects

Ozone	: No data available
Other adverse effects	: No additional information available

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GWPmix comment	No known effects from this product.
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SECTION 13: Disposal considerations

Waste treatment methods	: Avoid release to the environment. Dispose of contents/container to authorized companies in accordance with local/regional/national/international regulations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. This material and it's container must be disposed of in a safe way. Care should be taken when emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.
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SECTION 14: Transport information

14.1. UN number

UN-No. (IMDG) : 1120
UN-No. (IATA) : 1120

14.2. Proper Shipping Name - Addition

Proper Shipping Name (IMDG) : Butanols
Proper Shipping Name (IATA) : Butanols

14.3. Transport hazard class(es)

IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3



14.4. Packing group

Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. : 1120
Special provision : 163, 223
Limited quantities : 5l
Packing instructions : P001, IBC03, LP01
Special packing provisions : PP1
Portable tank and bulk container instructions : T2
Portable tank and bulk container special provisions : TP1, TP29

Transport by sea

UN-No. (IMDG) : 1120



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Special provisions (IMDG)	: 163, 223, 955, 367
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.

Air transport

UN-No. (IATA)	: 1120
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3, A72, A192
ERG code (IATA)	: 3L

14.8. Hazchem or Emergency Action Code

Hazchemcode	: N.A
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Regulation 2006/1907/WE
CLP - Regulation 1272/2008/WE
AICS (Australia Inventory) – All components are listed or exempted.

15.2. International agreements

No data available.

SECTION 16: Any other relevant information

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Key to abbreviations	: ATE = Acute Toxicity Estimate
	BCF = Bioconcentration Factor
	GHS= Globally Harmonized System of Classification and Labelling of Chemicals
	IATA= International Air Transport Association
	IMDG= International Maritime Dangerous Goods

IMPORTANT NOTE :The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws. Any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Safety data Sheet and the Technical data Sheet for this product, if available. All advice we give or any statement made about the product by us(whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. The information contained in this data sheet is subject to



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modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.
